

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025766.D
 Acq On : 01 Aug 2018 10:57
 Operator : MD/SY
 Sample : VU0801WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:32 AM

Quant Time: Aug 02 04:00:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	188984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287538	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	275865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	152058	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	4.89	113	125226	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	447670	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	10.31	95	169622	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59329	20.771	ug/l	99
3) Chloromethane	1.33	50	52354	19.177	ug/l	98
4) Vinyl Chloride	1.41	62	49869	19.410	ug/l	98
5) Bromomethane	1.63	94	25018	19.937	ug/l	99
6) Chloroethane	1.70	64	28835	19.194	ug/l	100
7) Trichlorofluoromethane	1.89	101	71886	19.352	ug/l	99
8) Diethyl Ether	2.10	74	25621	19.063	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43207	20.099	ug/l	99
10) Methyl Iodide	2.41	142	35377	23.206	ug/l	98
11) Tert butyl alcohol	2.83	59	61691	95.692	ug/l	99
12) 1,1-Dichloroethene	2.28	96	39791	19.610	ug/l	94
13) Acrolein	2.19	56	24652	104.405	ug/l	93
14) Allyl chloride	2.59	41	68525	18.792	ug/l	98
15) Acrylonitrile	2.94	53	129527	100.630	ug/l	96
16) Acetone	2.32	43	143990	100.299	ug/l	97
17) Carbon Disulfide	2.48	76	117693	17.922	ug/l	99
18) Methyl Acetate	2.62	43	82411	23.850	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	146124	19.872	ug/l	100
20) Methylene Chloride	2.70	84	47279	18.583	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	45916	19.575	ug/l	97
22) Diisopropyl ether	3.57	45	143641	19.990	ug/l	97
23) Vinyl Acetate	3.53	43	610358	97.466	ug/l	100
24) 1,1-Dichloroethane	3.45	63	86573	20.070	ug/l	99
25) 2-Butanone	4.27	43	200964	102.834	ug/l	100
26) 2,2-Dichloropropane	4.23	77	78493	20.020	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	51471	19.463	ug/l	99
28) Bromochloromethane	4.55	49	40079	20.781	ug/l	97
29) Tetrahydrofuran	4.64	42	115318	98.494	ug/l	99
30) Chloroform	4.68	83	90536	19.885	ug/l	99
31) Cyclohexane	5.00	56	74364	18.979	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	80607	19.664	ug/l	99
36) 1,1-Dichloropropene	5.14	75	63370	18.858	ug/l	97
37) Ethyl Acetate	4.38	43	67795	19.457	ug/l	99
38) Carbon Tetrachloride	5.14	117	70890	18.625	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71414	18.548	ug/l	99
40) Benzene	5.39	78	187079	19.046	ug/l	96
41) Methacrylonitrile	4.55	41	38362	19.822	ug/l	98
42) 1,2-Dichloroethane	5.41	62	73775	19.506	ug/l	99
43) Isopropyl Acetate	5.55	43	111494	19.364	ug/l	100
44) Trichloroethene	6.19	130	52432	19.168	ug/l	100
45) 1,2-Dichloropropane	6.44	63	49275	19.235	ug/l	98
46) Dibromomethane	6.56	93	34507	18.590	ug/l	97
47) Bromodichloromethane	6.76	83	68493	19.345	ug/l	95
48) Methyl methacrylate	6.63	41	55160	19.547	ug/l	97
49) 1,4-Dioxane	6.62	88	26831	390.712	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	353178	97.976	ug/l	100
52) Toluene	7.64	92	122094	20.008	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	77544	19.505	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	81094	19.858	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	48452	19.106	ug/l	98
56) Ethyl methacrylate	8.02	69	70503	19.458	ug/l	98
57) 1,3-Dichloropropane	8.25	76	83448	19.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	137311	88.394	ug/l	99
59) 2-Hexanone	8.36	43	280028	99.101	ug/l	97
60) Dibromochloromethane	8.48	129	55647	18.608	ug/l	98
61) 1,2-Dibromoethane	8.59	107	54549	19.341	ug/l	99
64) Tetrachloroethene	8.23	164	46683	19.226	ug/l	97
65) Chlorobenzene	9.12	112	137455	19.326	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51734	20.107	ug/l	100
67) Ethyl Benzene	9.25	91	229833	19.508	ug/l	100
68) m/p-Xylenes	9.38	106	179772	39.745	ug/l	100
69) o-Xylene	9.78	106	85490	19.339	ug/l	95
70) Styrene	9.80	104	139282	19.506	ug/l	98
71) Bromoform	9.96	173	42887	19.223	ug/l #	99
73) Isopropylbenzene	10.17	105	233654	20.256	ug/l	100
74) N-amyl acetate	10.01	43	96306	20.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	80204	20.106	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	70574m	18.952	ug/l	
77) Bromobenzene	10.45	156	62839	19.750	ug/l	99
78) n-propylbenzene	10.59	91	274988	20.424	ug/l	100
79) 2-Chlorotoluene	10.66	91	163744	20.764	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	200870	20.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	25333m	17.058	ug/l	
82) 4-Chlorotoluene	10.78	91	190429	20.486	ug/l	100
83) tert-Butylbenzene	11.10	119	196787	20.217	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	206644	20.815	ug/l	99
85) sec-Butylbenzene	11.33	105	238261	20.049	ug/l	100
86) p-Isopropyltoluene	11.48	119	219147	20.594	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115498	19.556	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	117742	19.125	ug/l	99
89) n-Butylbenzene	11.89	91	192744	19.628	ug/l	99
90) Hexachloroethane	12.15	117	36351	19.213	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	114707	19.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19342	20.453	ug/l	98

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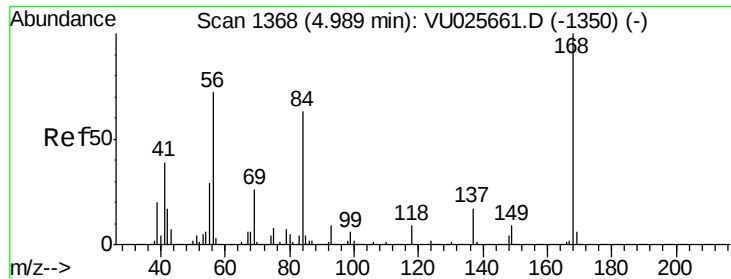
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78449	20.079	ug/l	99
94) Hexachlorobutadiene	13.70	225	38355	18.623	ug/l	98
95) Naphthalene	13.74	128	236081	19.592	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79134	20.304	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion:168 Resp: 188984

Ion Ratio Lower Upper

168 100

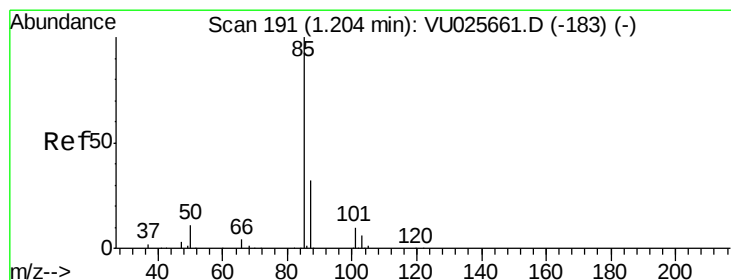
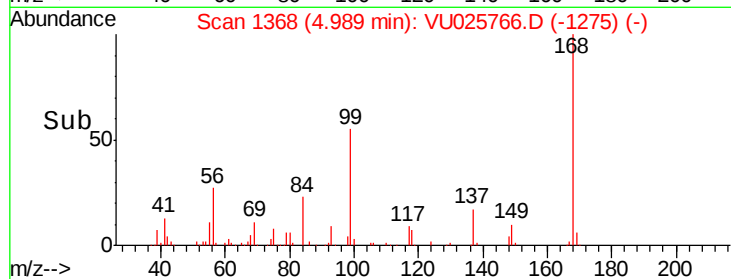
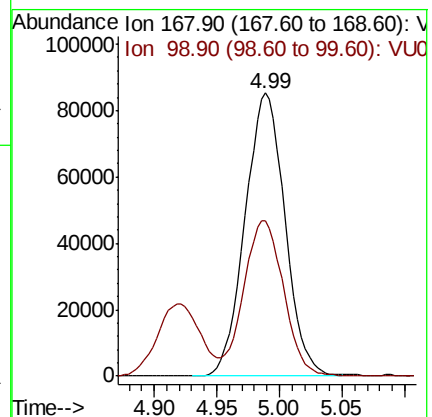
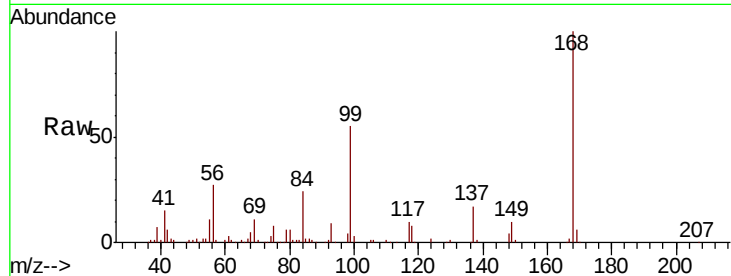
99 54.5 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.771 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025766.D

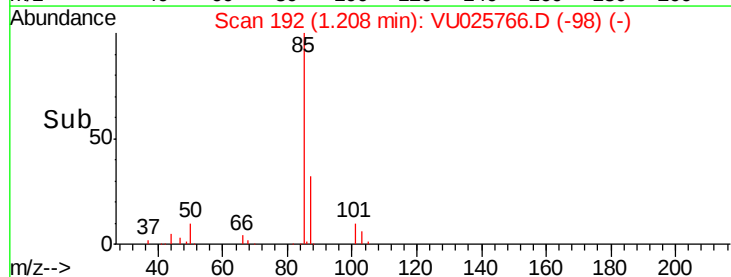
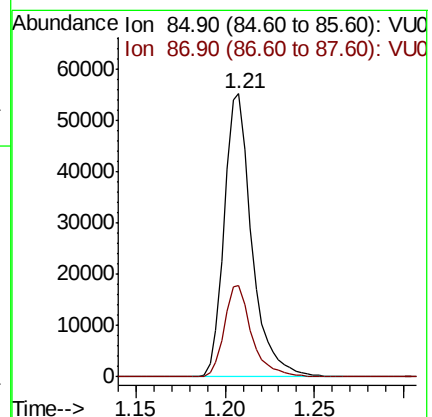
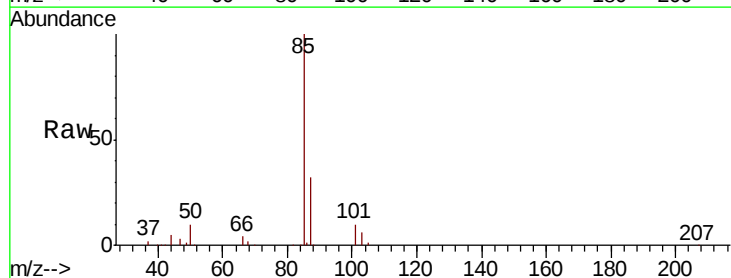
Acq: 01 Aug 2018 10:57

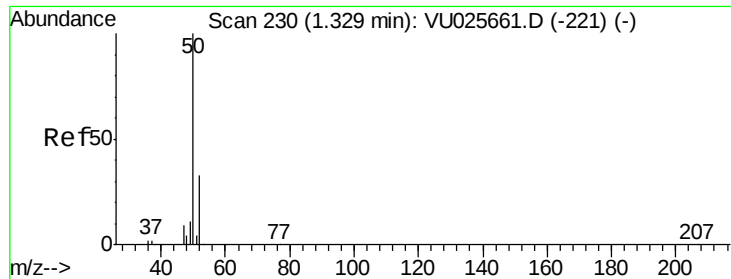
Tgt Ion: 85 Resp: 59329

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5





#3

Chloromethane

Concen: 19.177 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 50 Resp: 52354

Ion Ratio Lower Upper

50 100

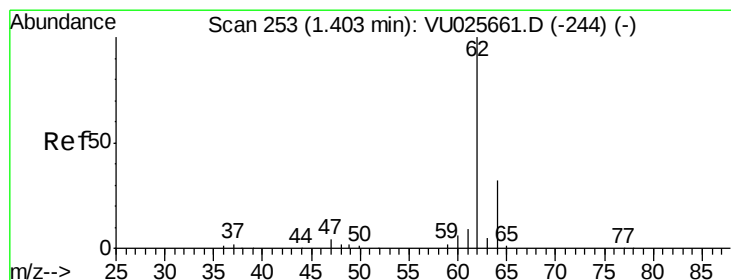
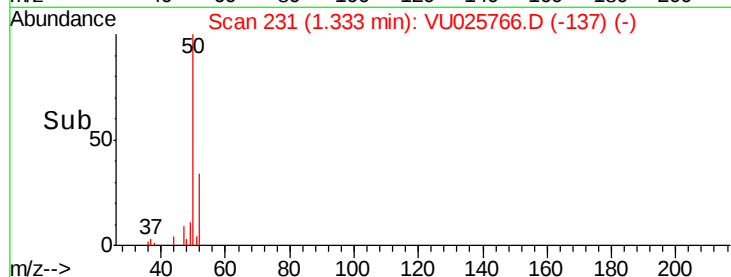
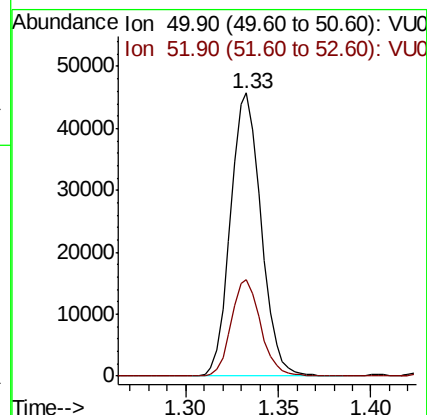
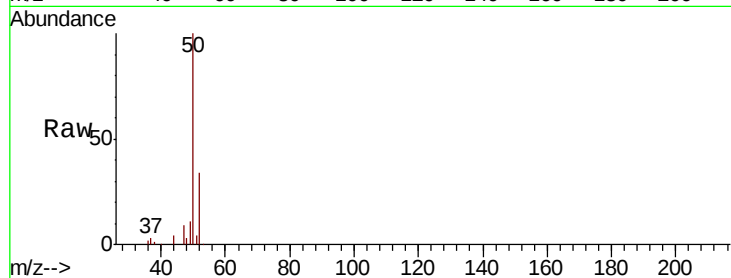
52 34.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.410 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025766.D

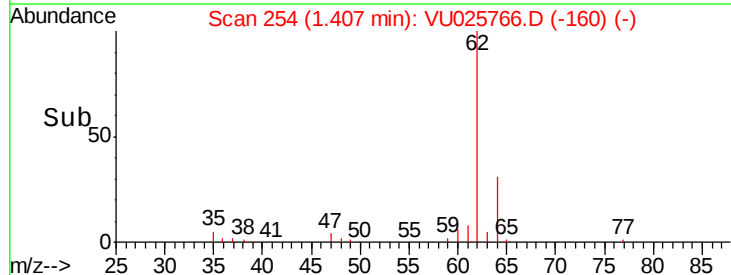
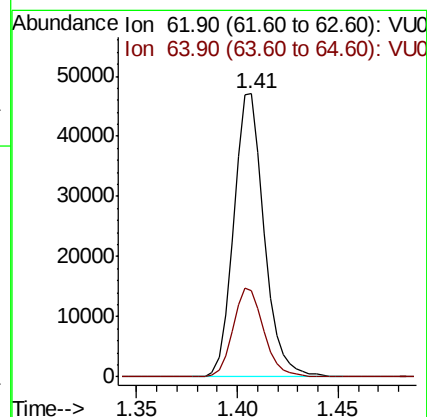
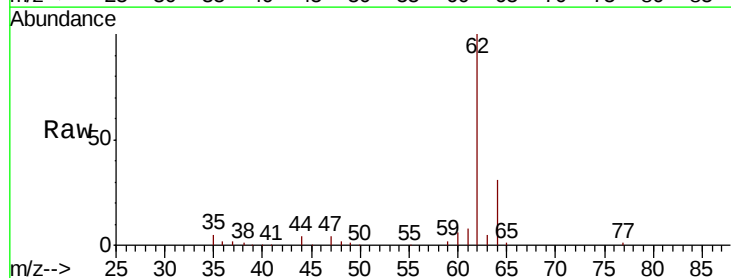
Acq: 01 Aug 2018 10:57

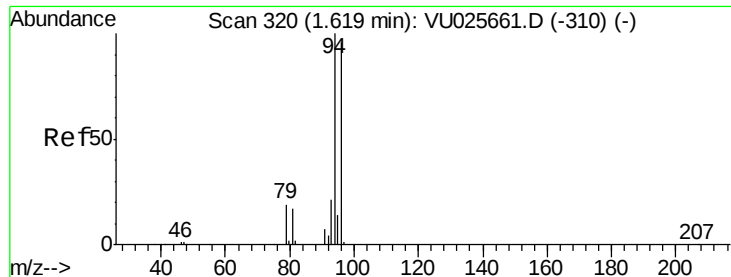
Tgt Ion: 62 Resp: 49869

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.0





#5

Bromomethane

Concen: 19.937 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 94 Resp: 25018

Ion Ratio Lower Upper

94 100

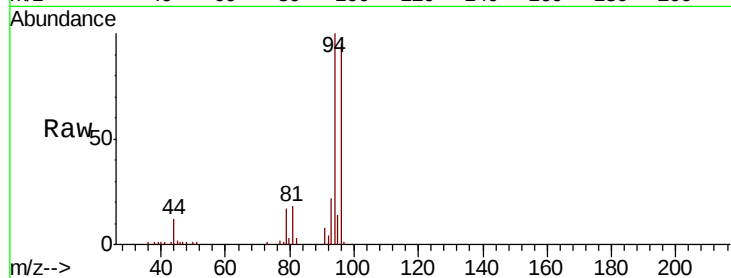
96 95.0 75.0 112.4

Manual Integrations

APPROVED

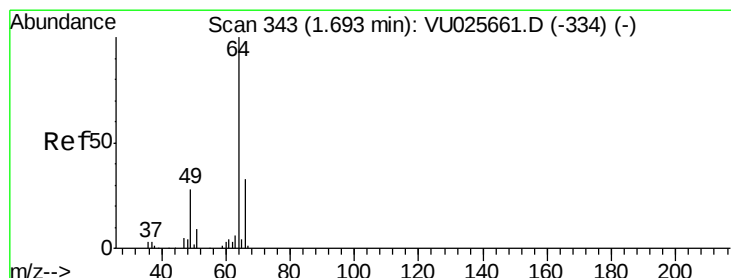
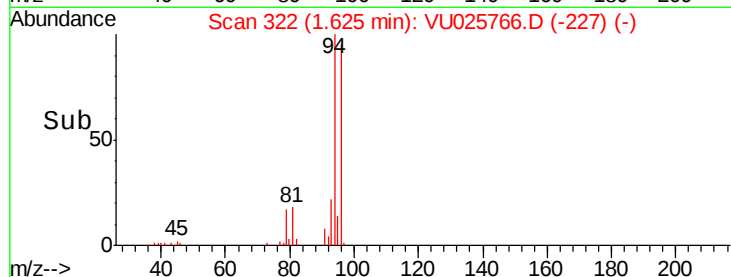
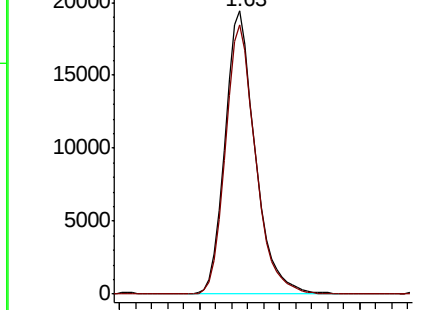
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Abundance Ion 93.90 (93.60 to 94.60): VU025766.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025766.D (-227) (-)



#6

Chloroethane

Concen: 19.194 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025766.D

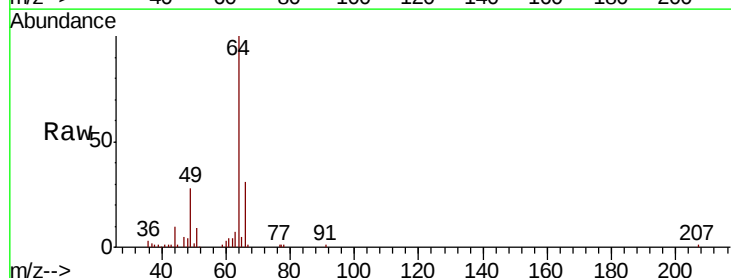
Acq: 01 Aug 2018 10:57

Tgt Ion: 64 Resp: 28835

Ion Ratio Lower Upper

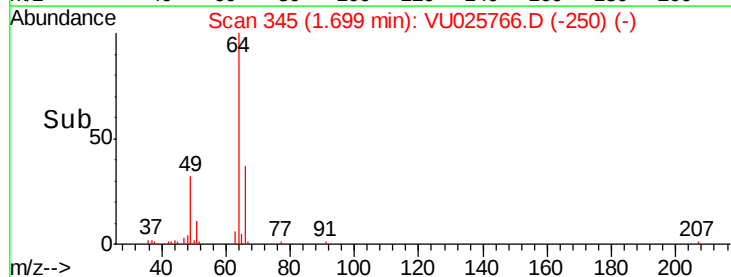
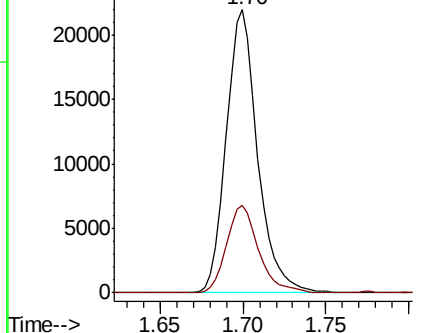
64 100

66 31.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025766.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025766.D (-250) (-)





#7

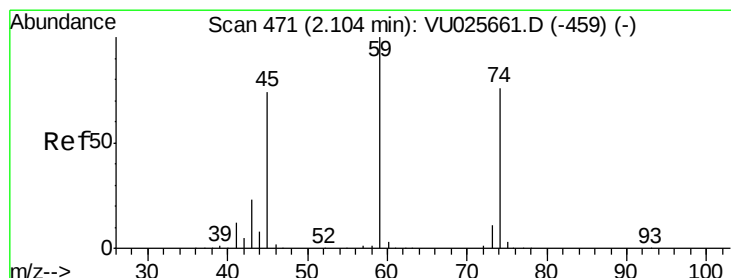
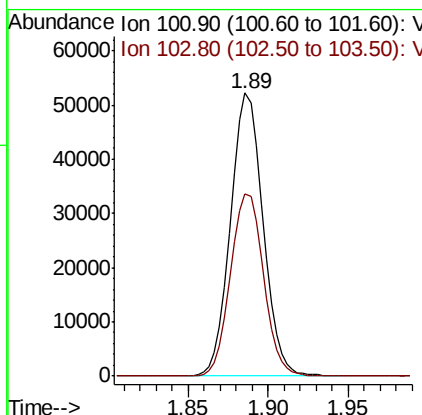
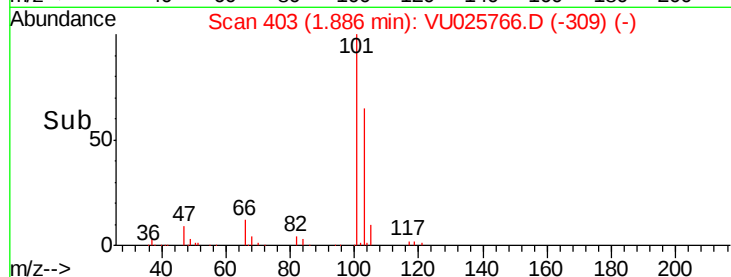
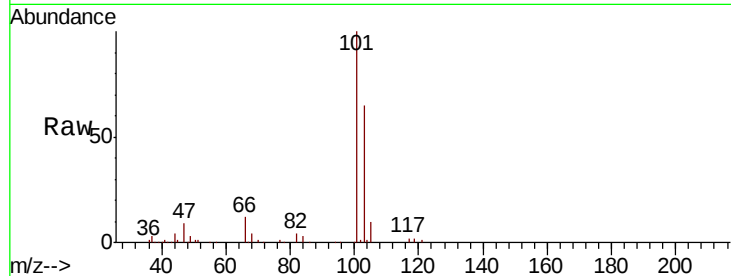
Trichlorofluoromethane
Concen: 19.352 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
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ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

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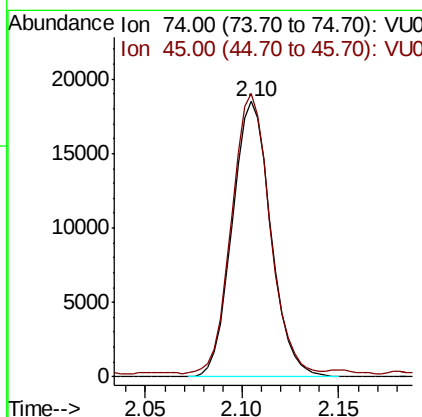
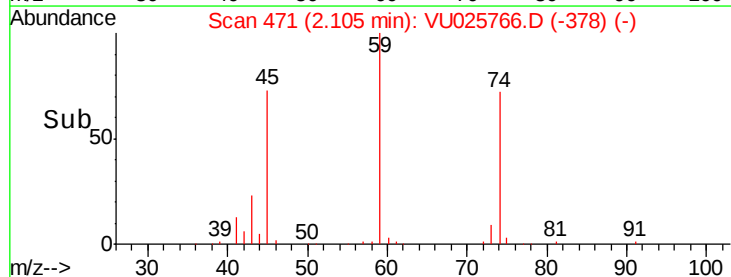
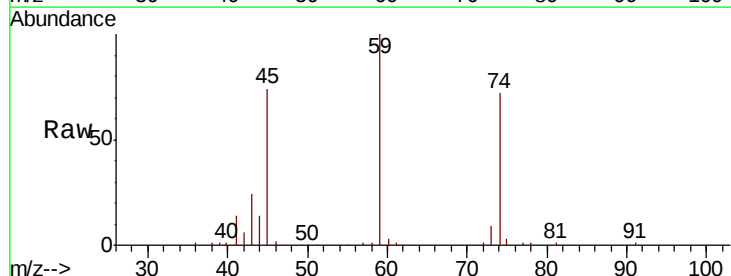
MMDadoda
8/2/2018 9:41:32 AM

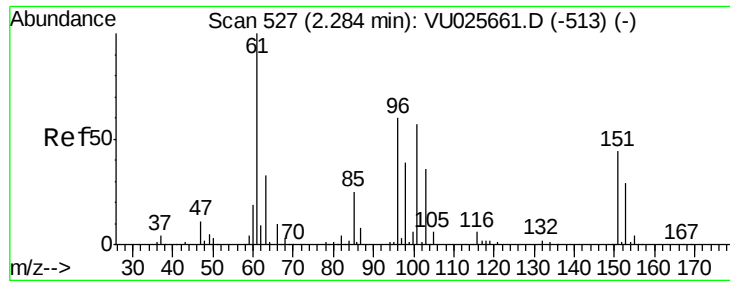


#8

Diethyl Ether
Concen: 19.063 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.099 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

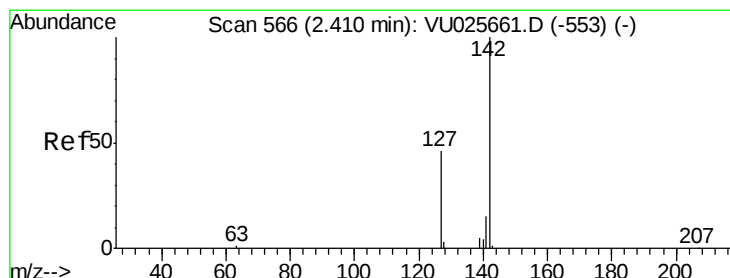
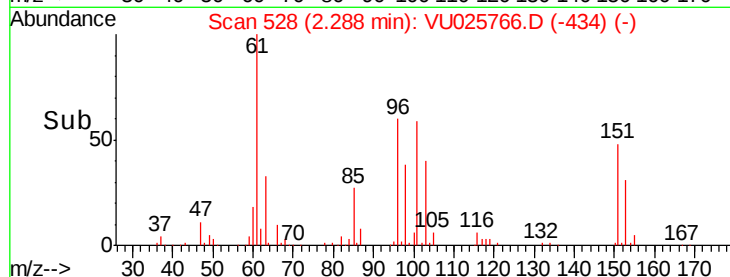
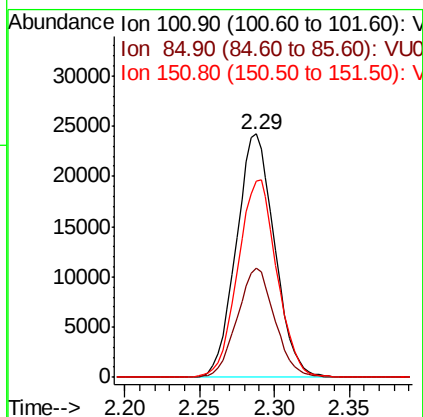
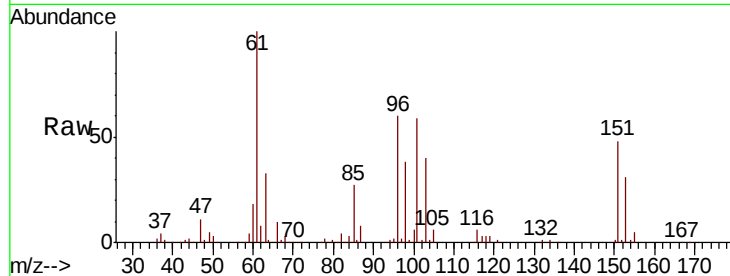
ClientSampleId :

VU0801WBS03

Tot Ion:	101	Resp:	43207
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.0	54.0
151	82.5	65.6	98.4

Manual Integrations
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8/2/2018 9:41:32 AM



#10

Methyl Iodide

Concen: 23.206 ug/l

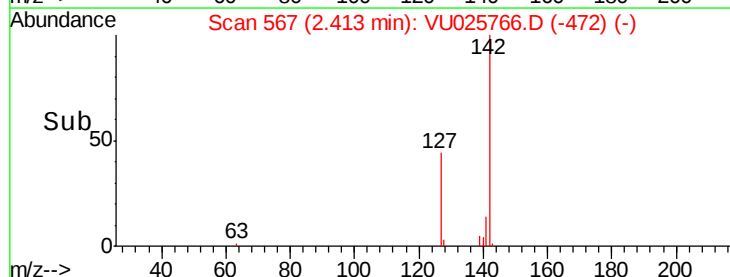
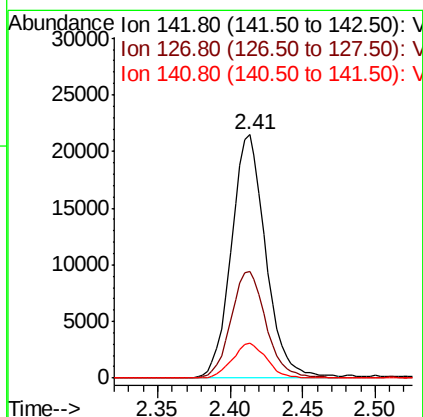
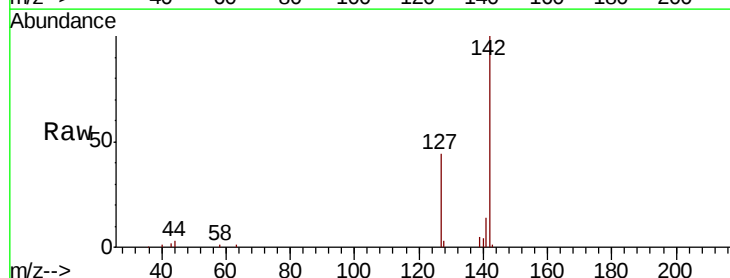
RT: 2.41 min Scan# 567

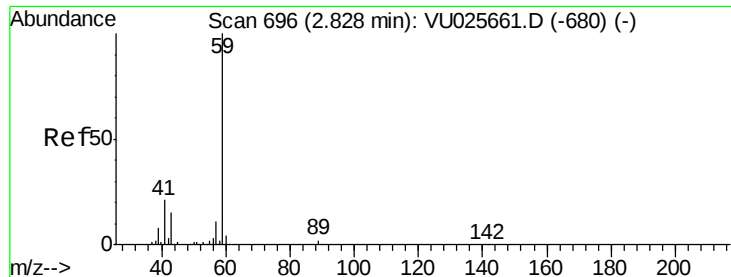
Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	142	Resp:	35377
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.5	54.7
141	14.1	11.4	17.2





#11

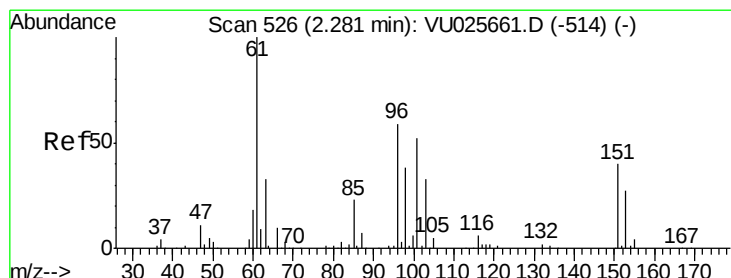
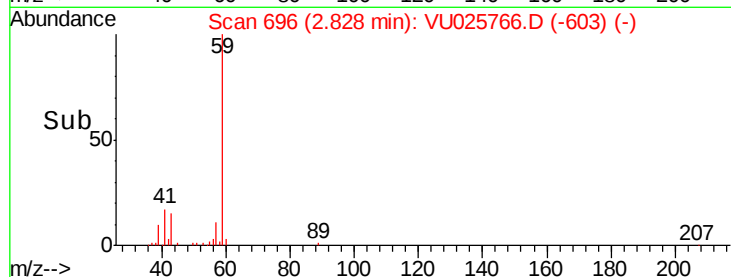
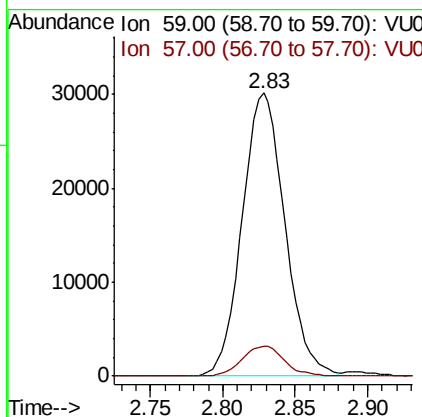
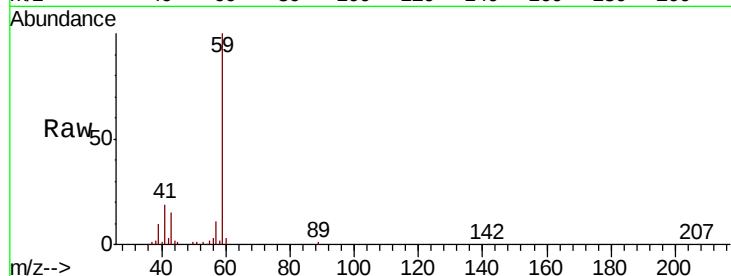
Tert butyl alcohol
Concen: 95.692 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	59.00 (58.70 to 59.70): VU0	Resp	61691
Ion Ratio	59	100	Lower Upper
	57	10.7	8.2 12.2

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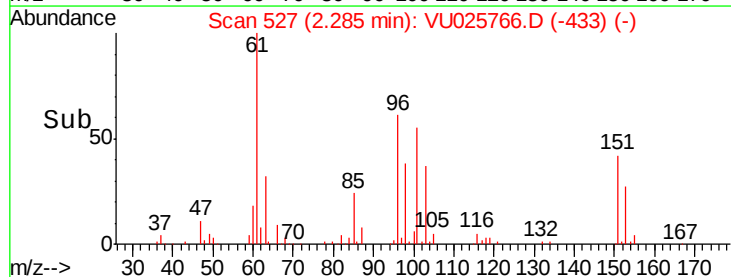
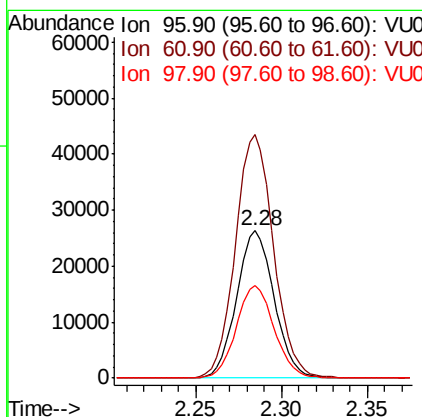
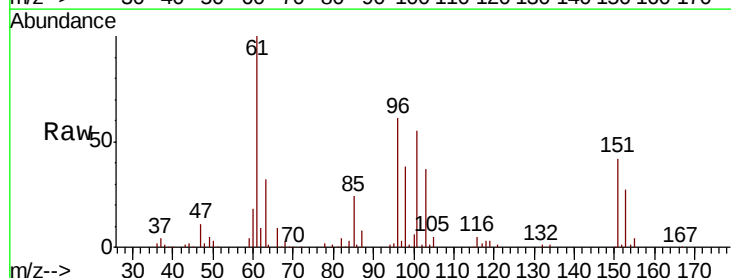
MMDadoda
8/2/2018 9:41:32 AM

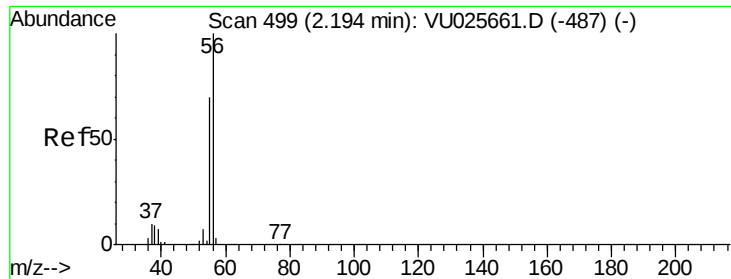


#12

1,1-Dichloroethene
Concen: 19.610 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	96	Resp	39791
Ion Ratio	96	100	Lower Upper
	61	165.2	140.2 210.4
	98	63.2	49.3 73.9





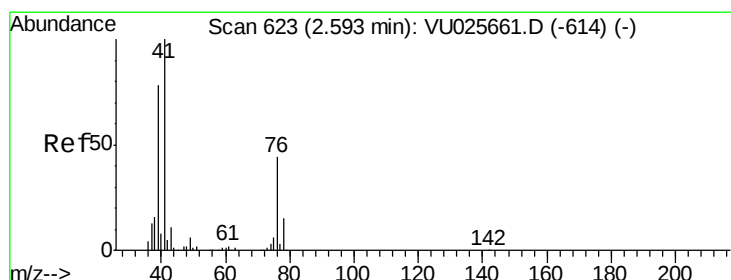
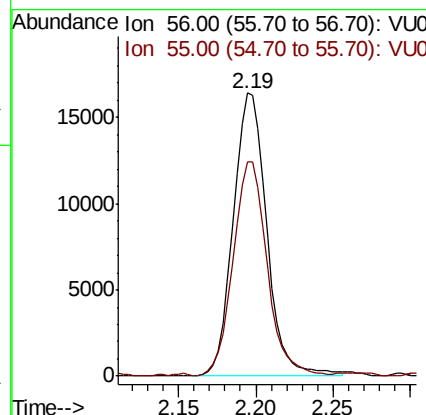
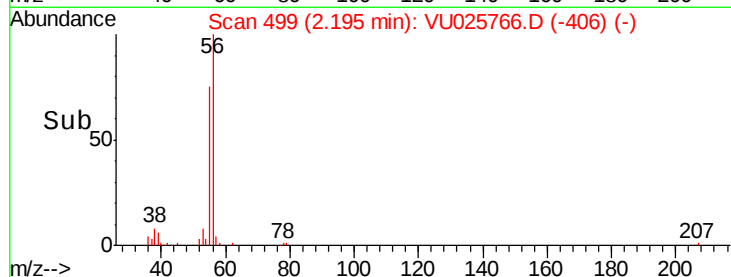
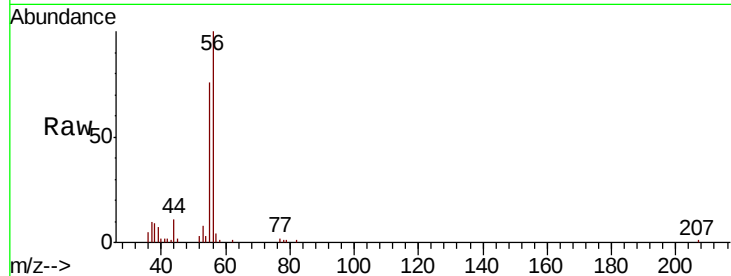
#13
Acrolein
Concen: 104.405 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.0	57.2	85.8

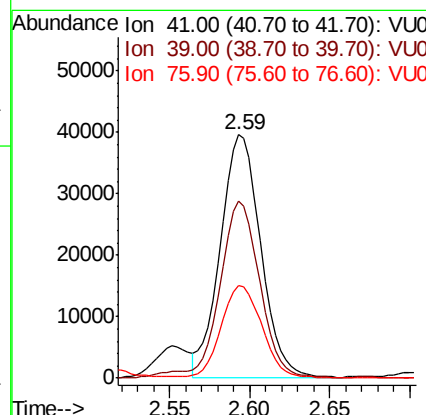
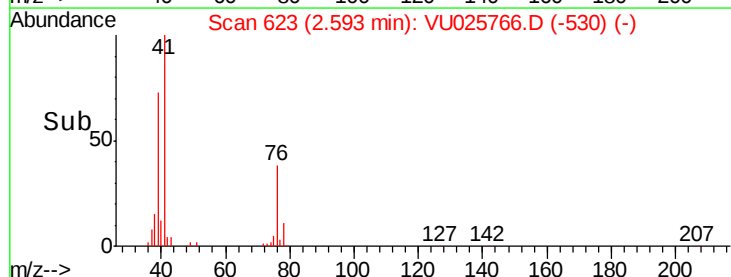
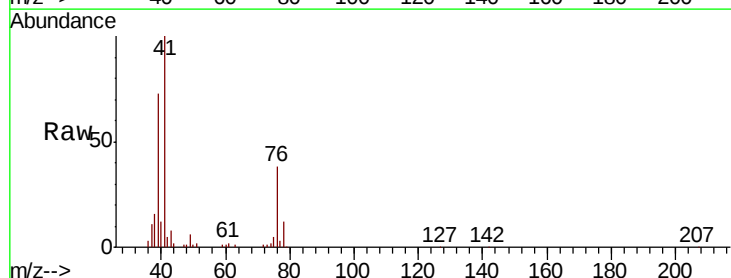
Manual Integrations
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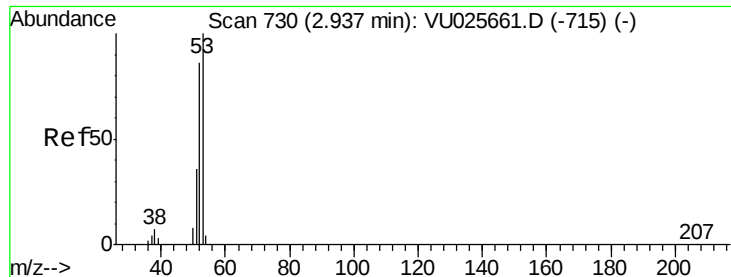
MMDadoda
8/2/2018 9:41:32 AM



#14
Allyl chloride
Concen: 18.792 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.2	60.6	91.0
76	38.3	30.5	45.7





#15

Acrylonitrile

Concen: 100.630 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

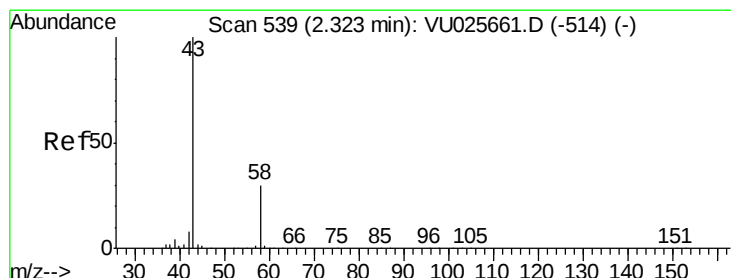
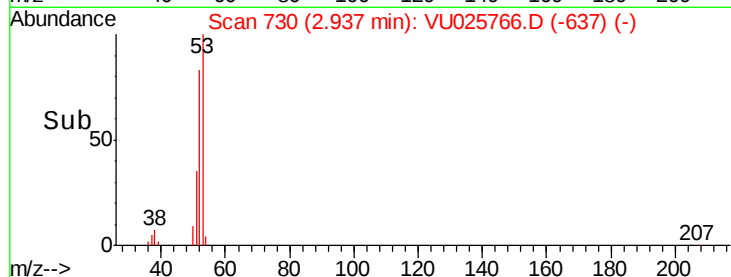
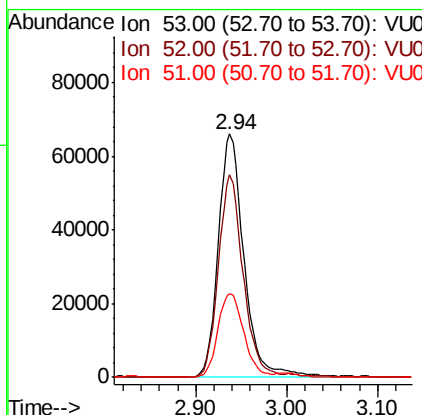
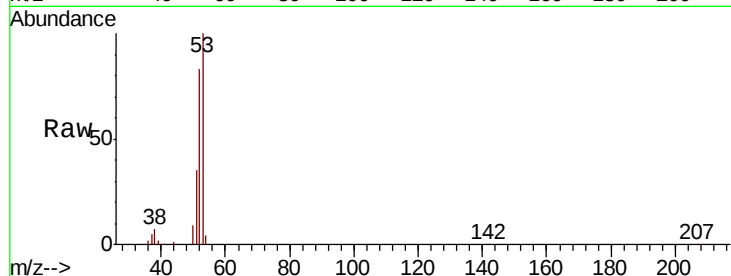
ClientSampleId :

VU0801WBS03

Tot Ion:	53	Resp:	129527
Ion Ratio	Lower	Upper	
53	100		
52	79.8	66.6	99.8
51	34.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 100.299 ug/l

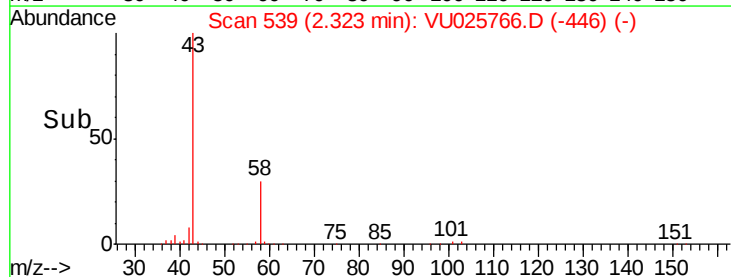
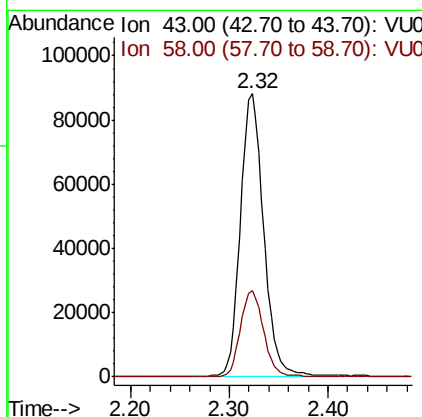
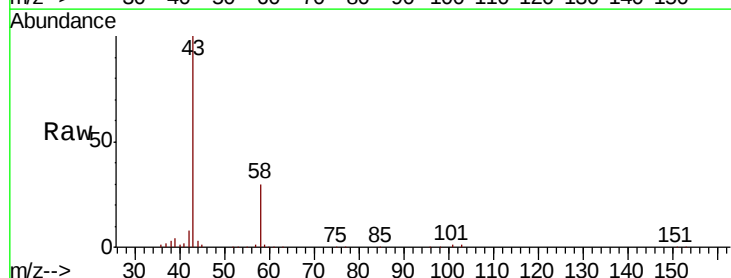
RT: 2.32 min Scan# 539

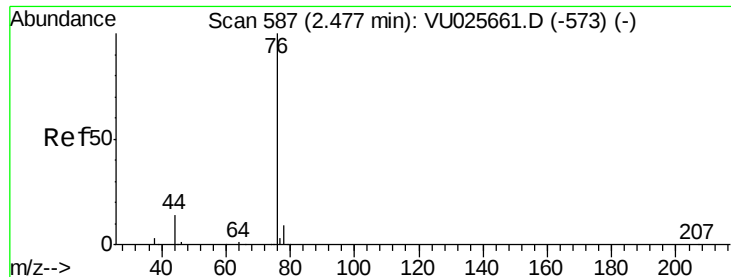
Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	43	Resp:	143990
Ion Ratio	Lower	Upper	
43	100		
58	30.4	23.1	34.7





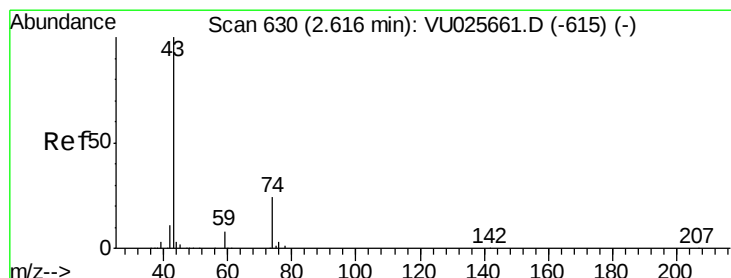
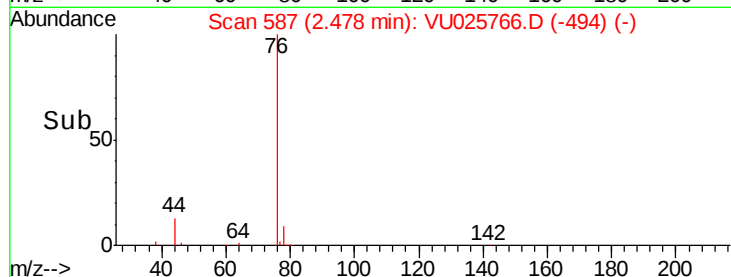
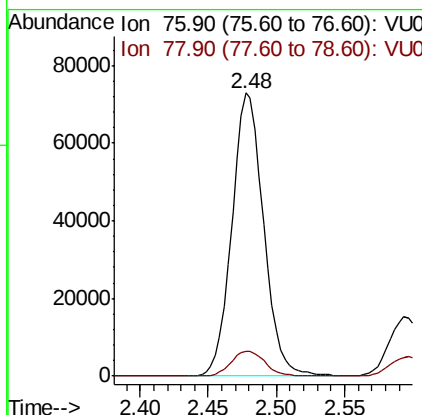
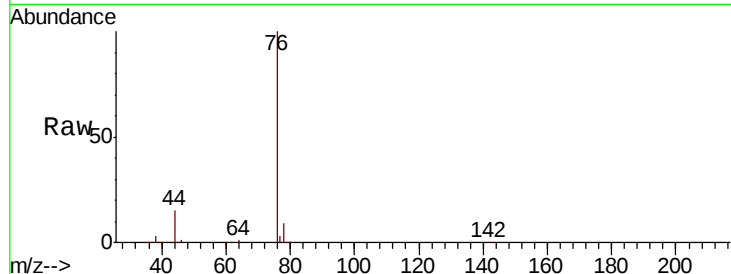
#17
Carbon Disulfide
Concen: 17.922 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

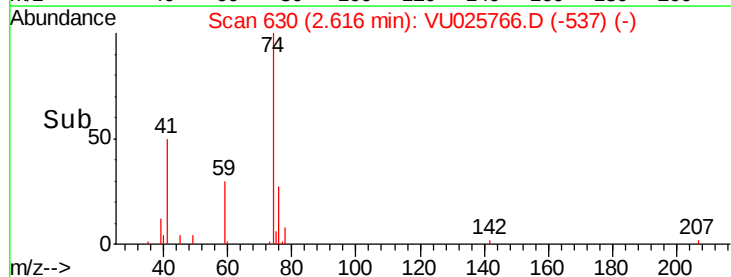
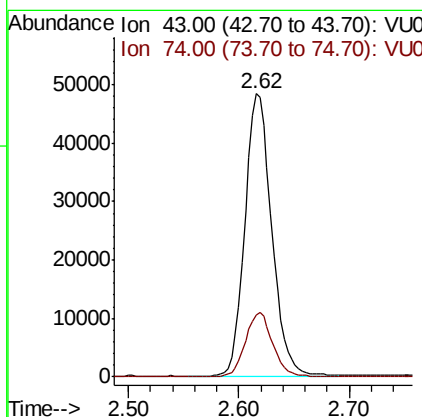
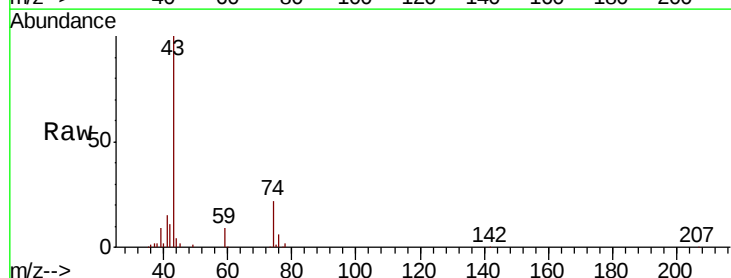
Manual Integrations
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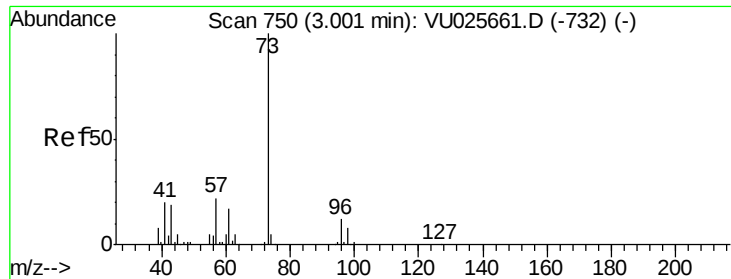
MMDadoda
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#18
Methyl Acetate
Concen: 23.850 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.5	27.7





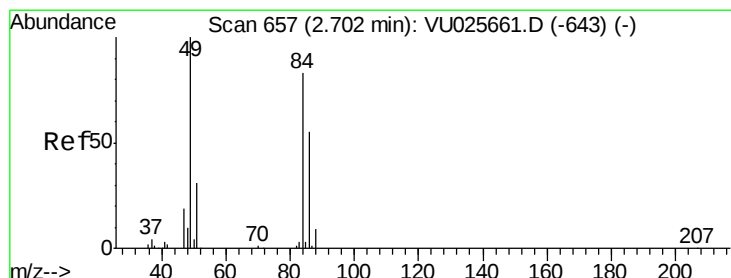
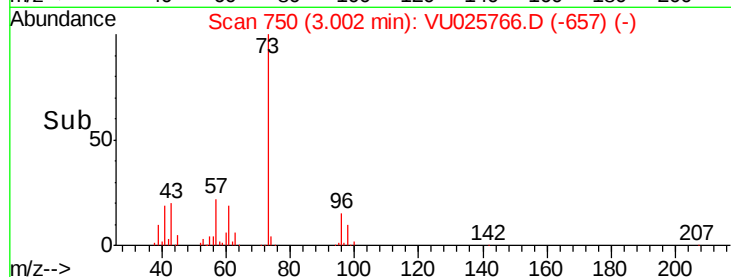
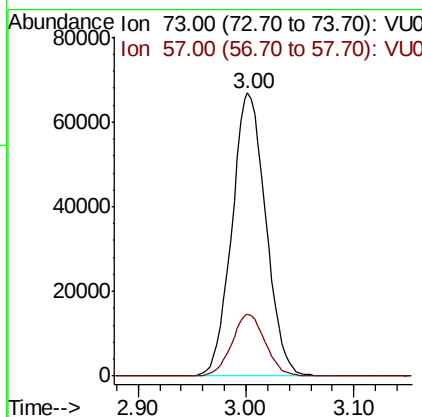
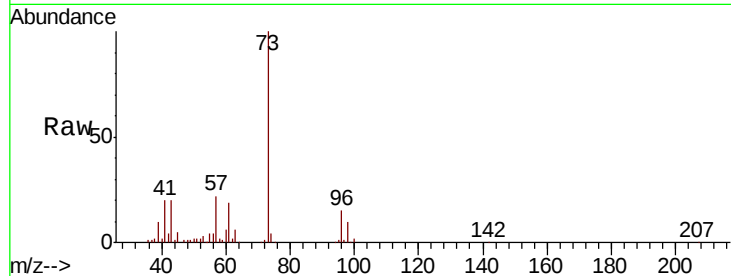
#19
Methyl tert-butyl Ether
Concen: 19.872 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ion	Ratio	Lower	Upper
73	100			
57	21.8	17.4	26.2	

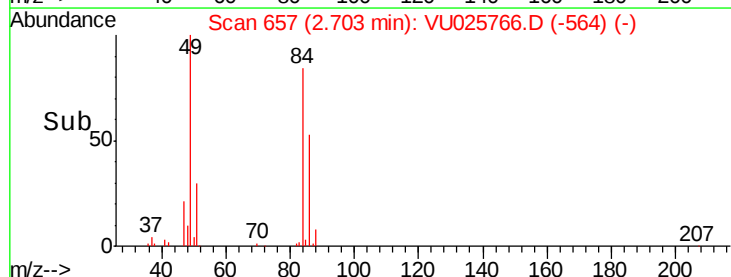
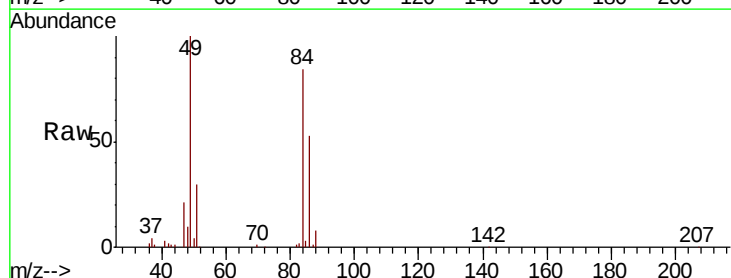
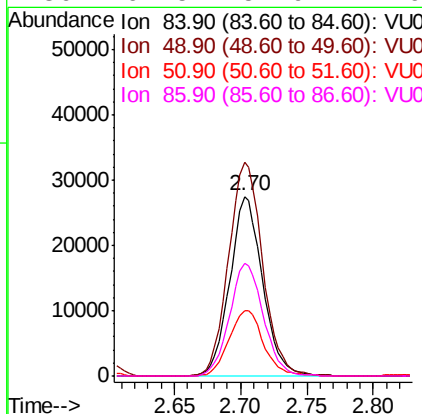
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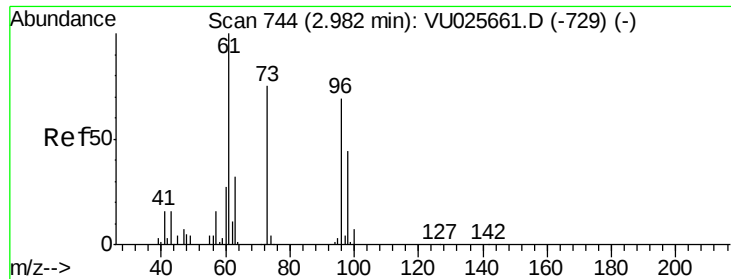
MMDadoda
8/2/2018 9:41:32 AM



#20
Methylene Chloride
Concen: 18.583 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
49	118.8	101.8	152.6	
51	36.2	30.8	46.2	
86	62.5	51.9	77.9	





#21

trans-1,2-Dichloroethene

Concen: 19.575 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

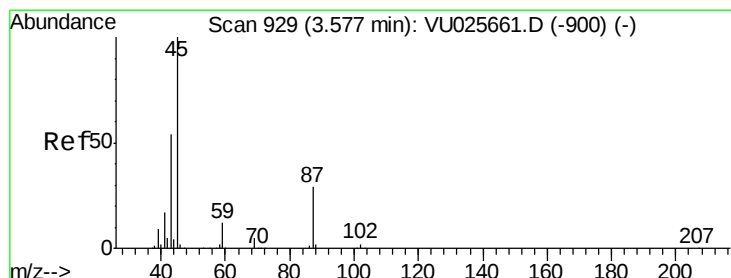
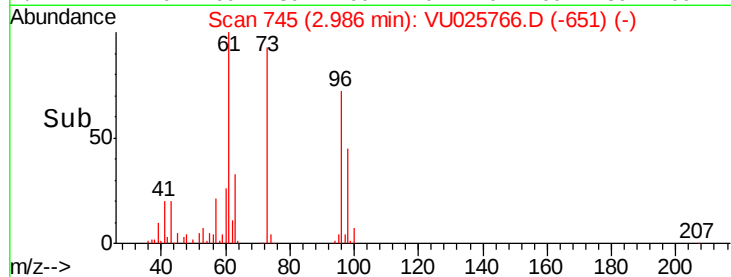
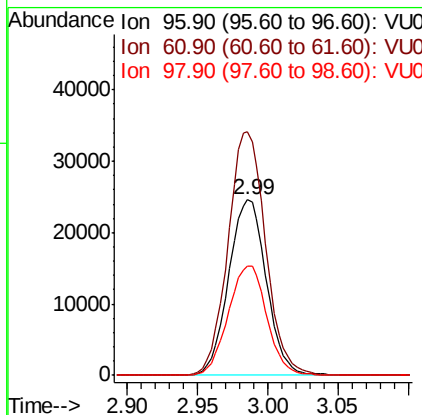
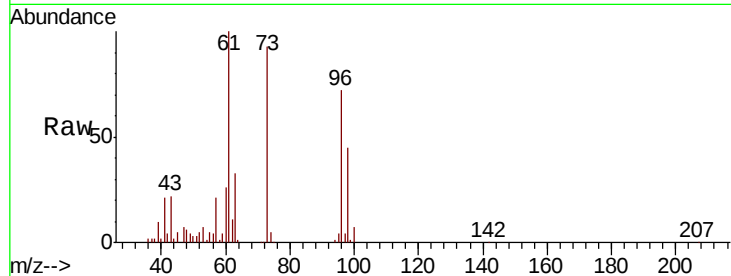
ClientSampleId :

VU0801WBS03

Tot Ion:	96	Resp:	45916
Ion	Ratio	Lower	Upper
96	100		
61	138.8	114.5	171.7
98	62.2	50.5	75.7

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#22

Diisopropyl ether

Concen: 19.990 ug/l

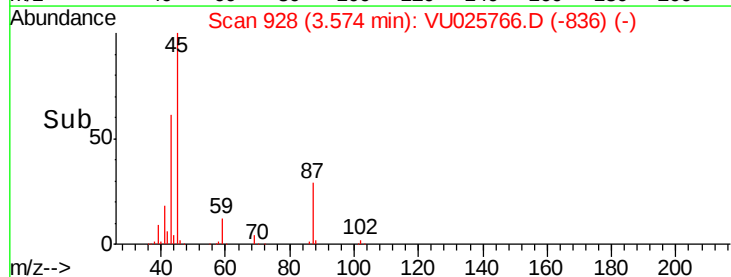
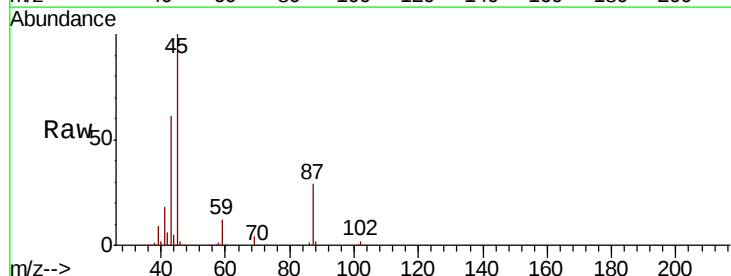
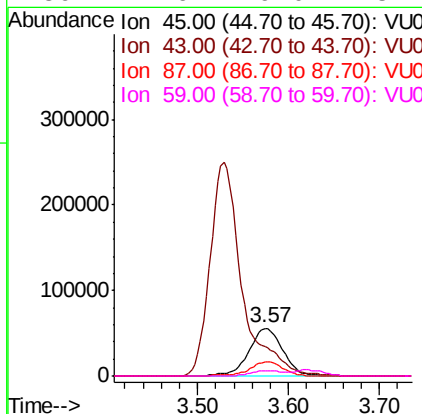
RT: 3.57 min Scan# 928

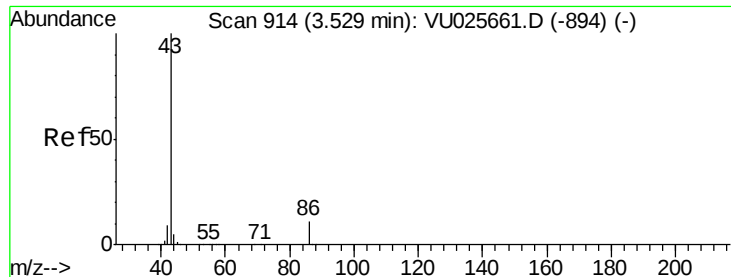
Delta R.T. -0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	45	Resp:	143641
Ion	Ratio	Lower	Upper
45	100		
43	59.5	50.9	76.3
87	29.5	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 97.466 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 43 Resp: 610358

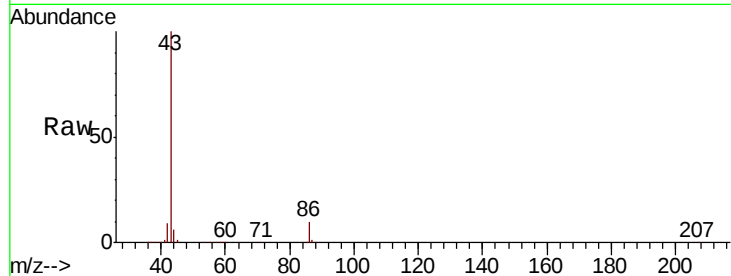
Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

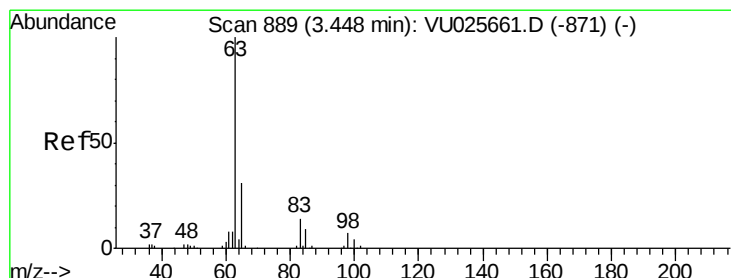
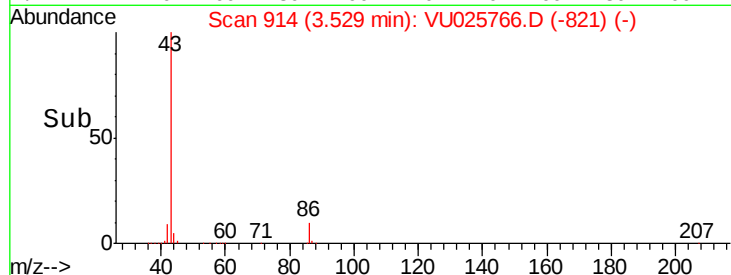
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.070 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

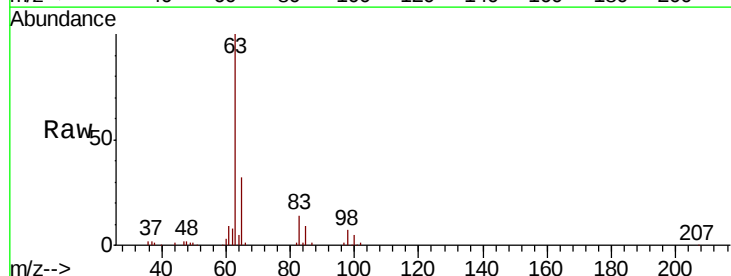
Tgt Ion: 63 Resp: 86573

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

50000

40000

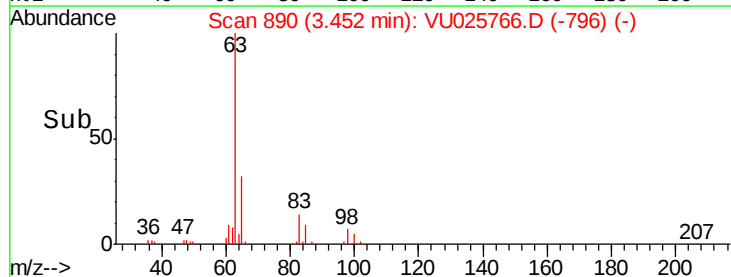
30000

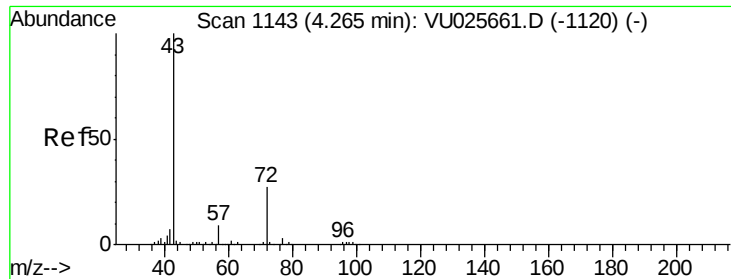
20000

10000

0

Time-->





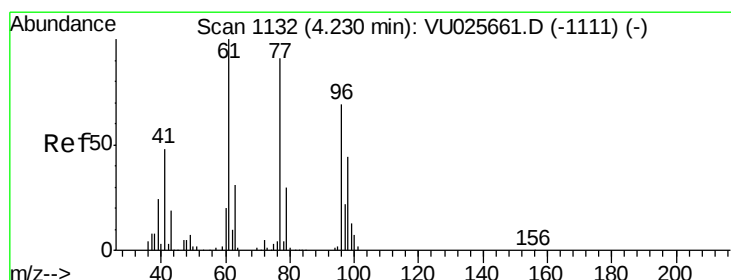
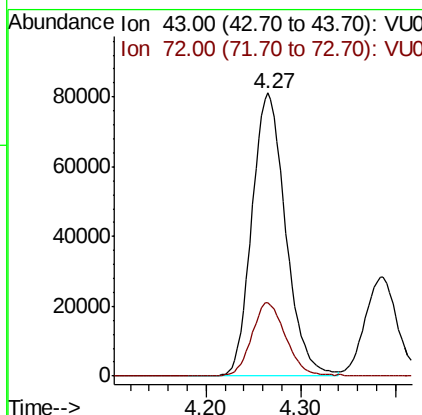
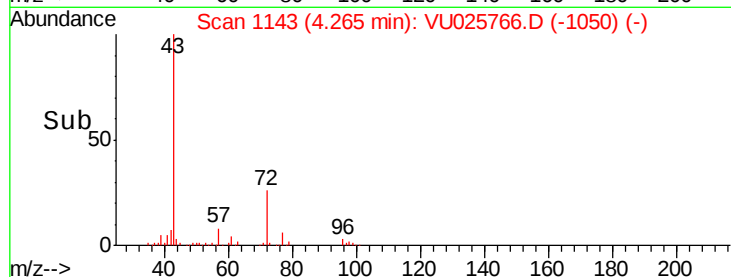
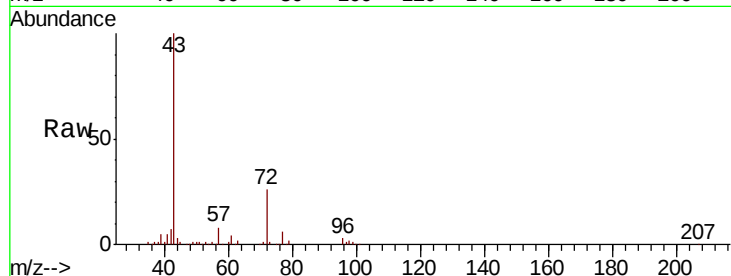
#25
2-Butanone
Concen: 102.834 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion: 43 Resp: 200964
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.4

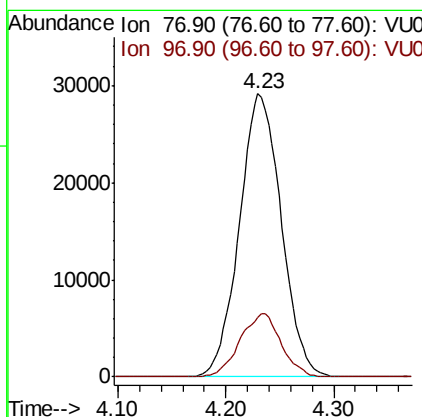
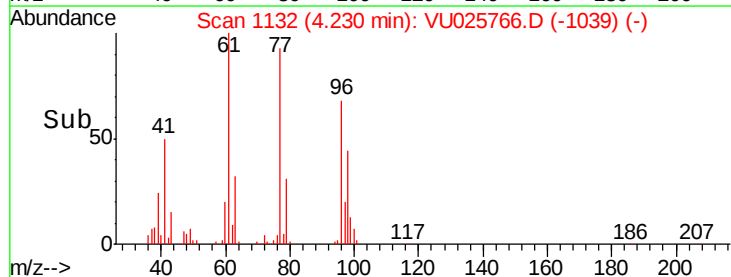
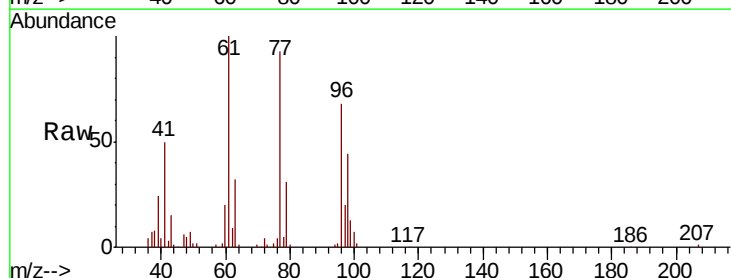
Manual Integrations
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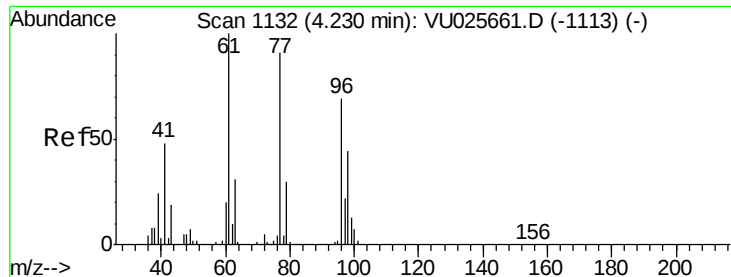
MMDadoda
8/2/2018 9:41:32 AM



#26
2,2-Dichloropropane
Concen: 20.020 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion: 77 Resp: 78493
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.463 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

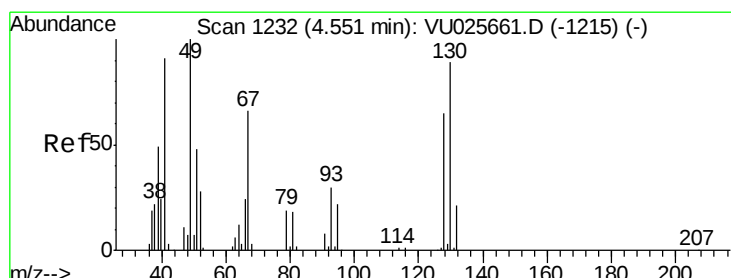
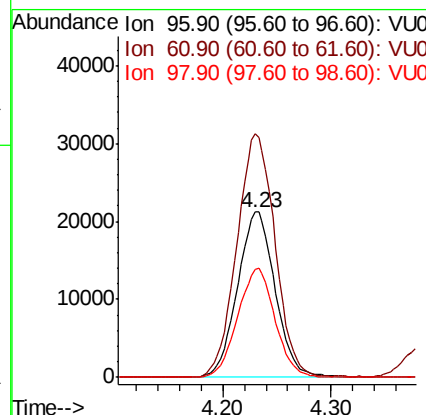
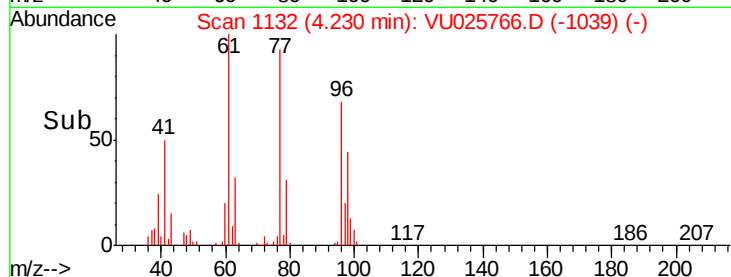
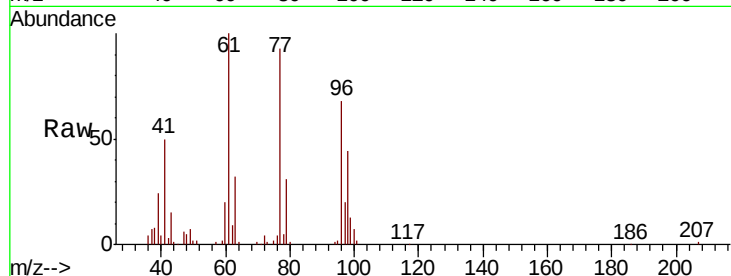
ClientSampleId :

VU0801WBS03

Tot Ion:	96	Resp:	51471
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	299.8
98	65.6	0.0	128.6

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#28

Bromochloromethane

Concen: 20.781 ug/l

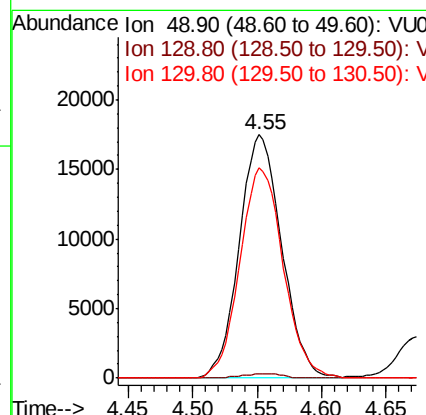
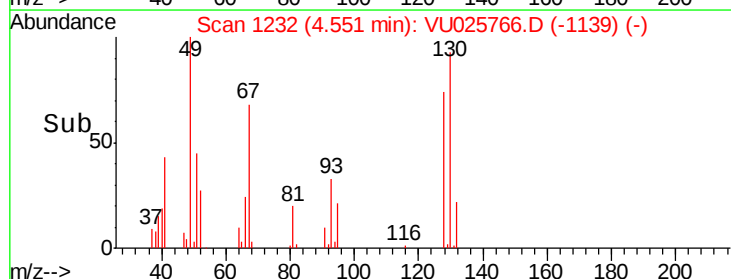
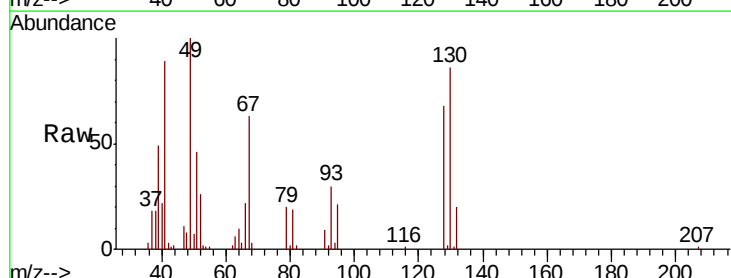
RT: 4.55 min Scan# 1232

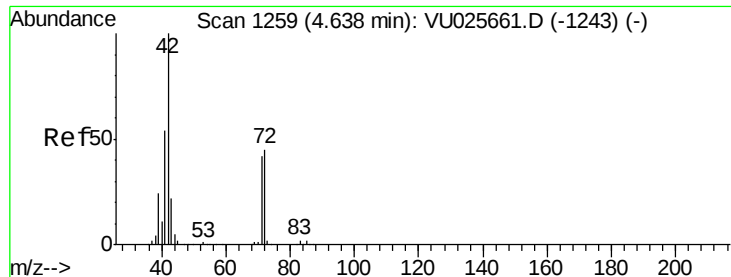
Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	49	Resp:	40079
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	88.1	68.6	102.8





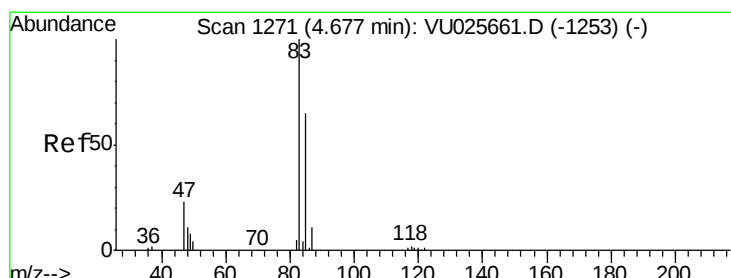
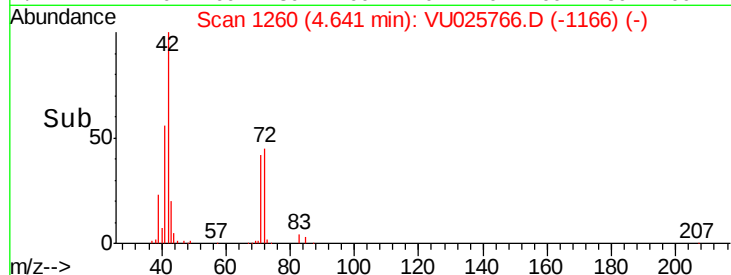
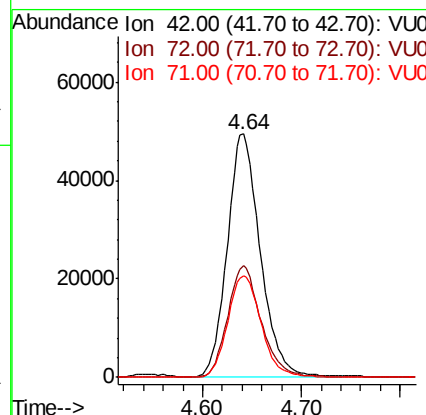
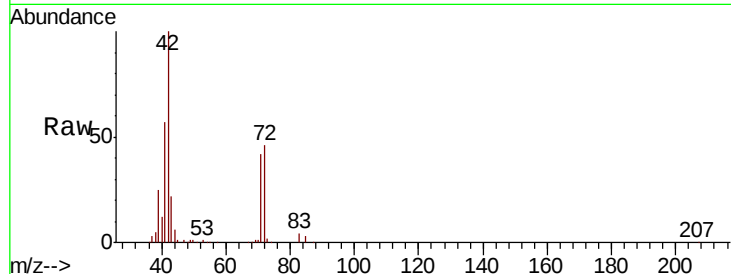
#29
Tetrahydrofuran
Concen: 98.494 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.7	55.1
71	42.5	33.9	50.9

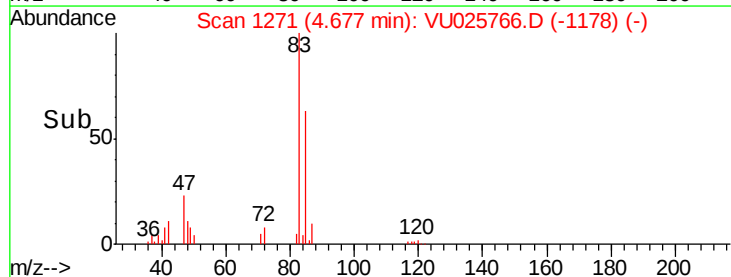
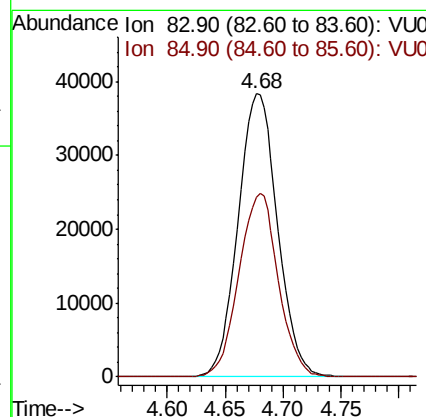
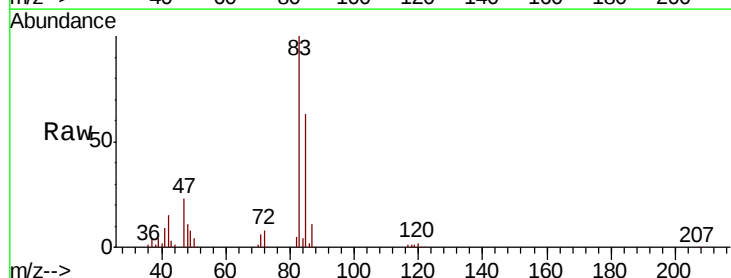
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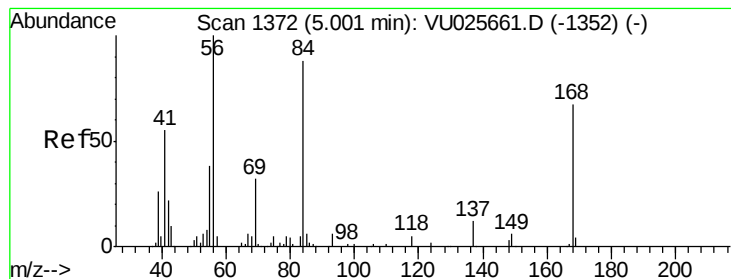
MMDadoda
8/2/2018 9:41:32 AM



#30
Chloroform
Concen: 19.885 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





#31

Cyclohexane

Concen: 18.979 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 56 Resp: 74364

Ion Ratio Lower Upper

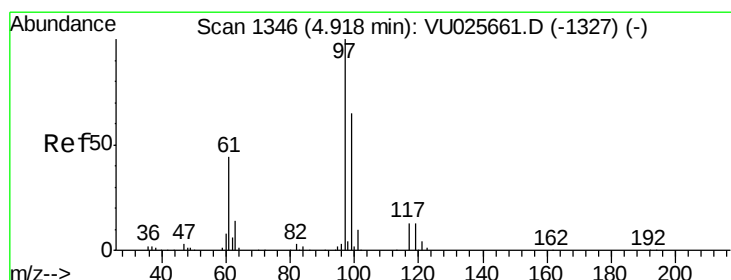
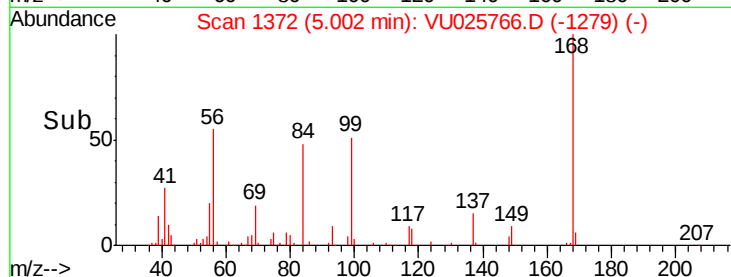
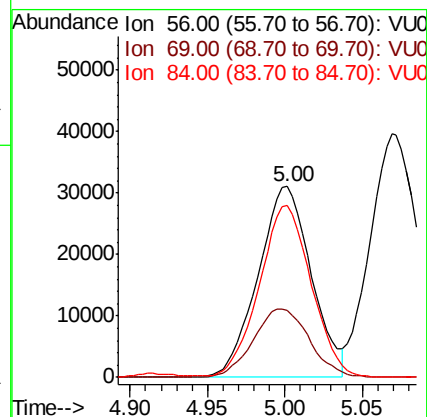
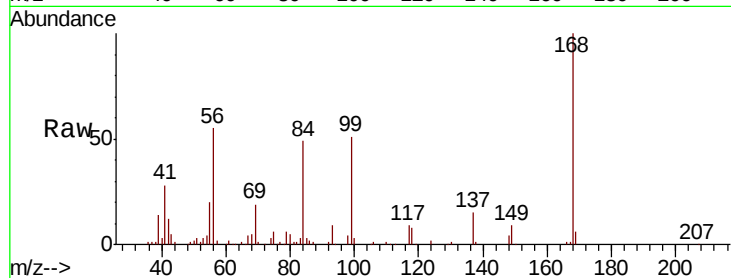
56 100

69 34.9 26.8 40.2

84 89.3 69.7 104.5

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#32

1,1,1-Trichloroethane

Concen: 19.664 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

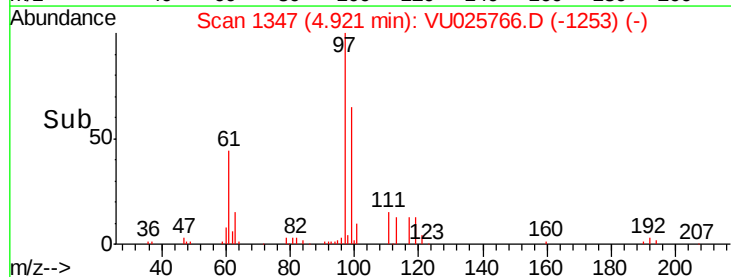
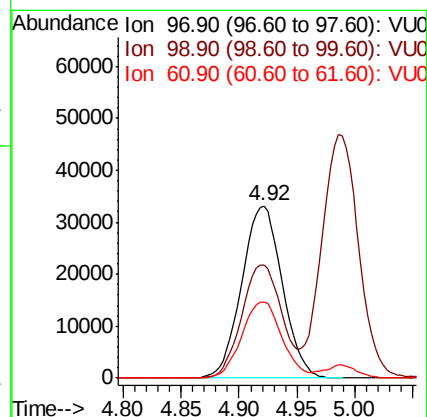
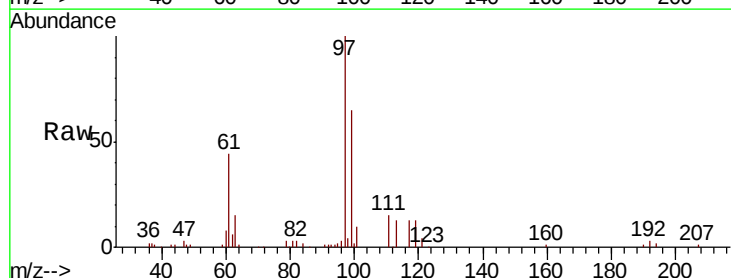
Tgt Ion: 97 Resp: 80607

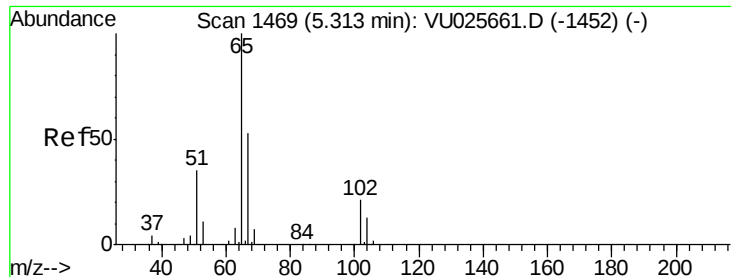
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.640 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 65 Resp: 152058

Ion Ratio Lower Upper

65 100

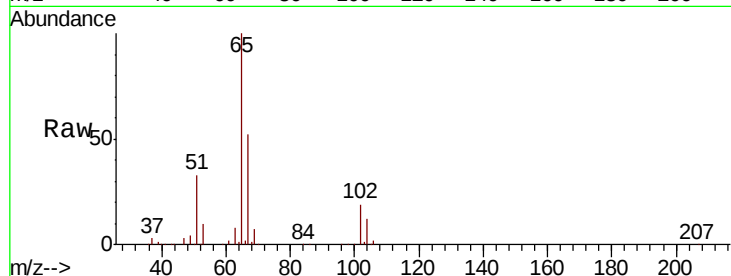
67 53.3 0.0 103.6

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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

80000

60000

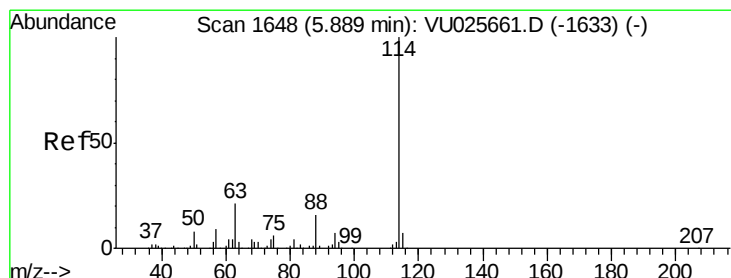
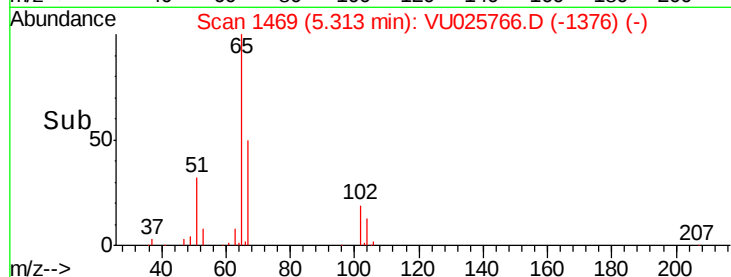
40000

20000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

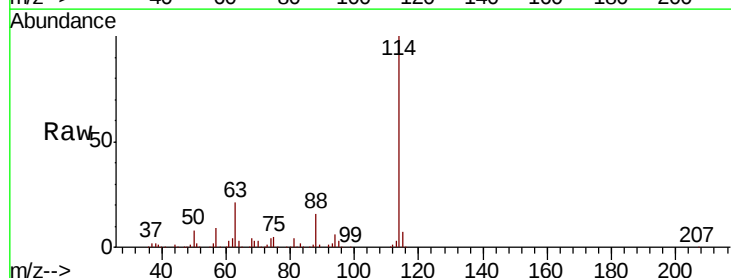
Tgt Ion: 114 Resp: 287538

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

200000

150000

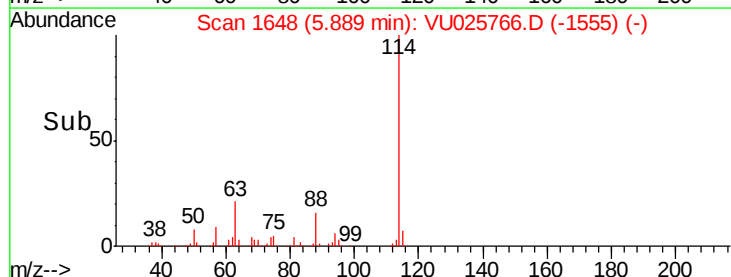
100000

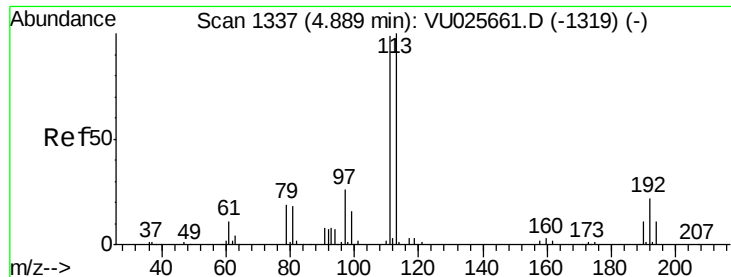
50000

0

5.80 5.90 6.00

Time-->





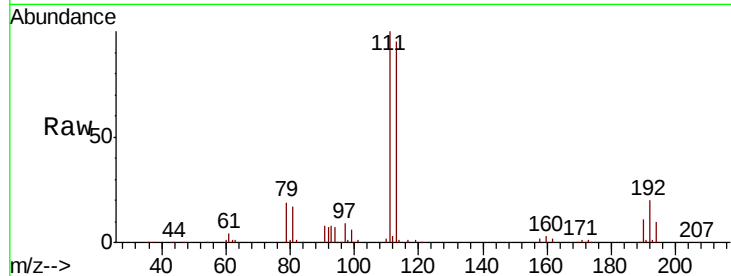
#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125226		
111	104.8	81.7	122.5	
192	21.4	17.1	25.7	

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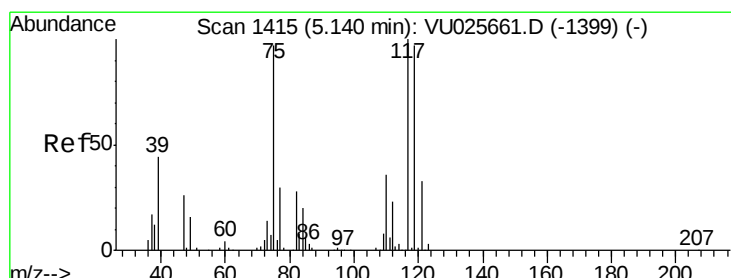
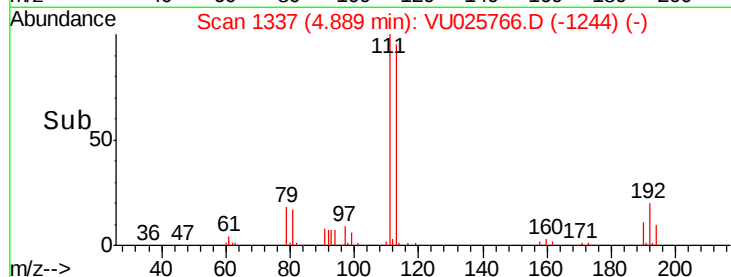
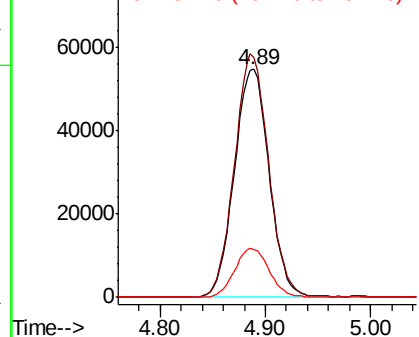


Abundance

Ion 112.80 (112.50 to 113.50): V

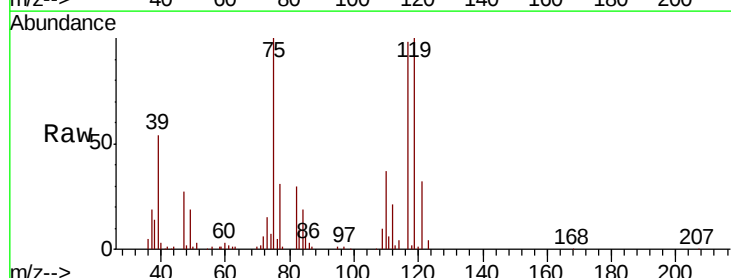
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 18.858 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63370		
110	37.4	17.6	52.9	
77	31.3	24.4	36.6	

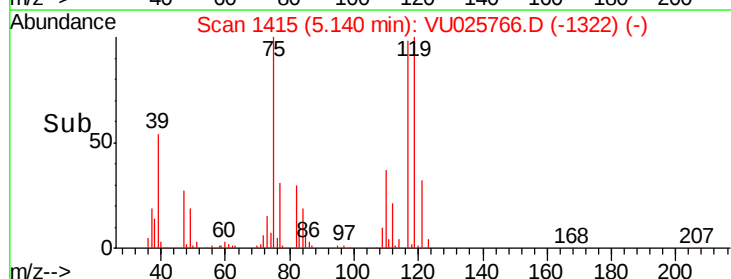
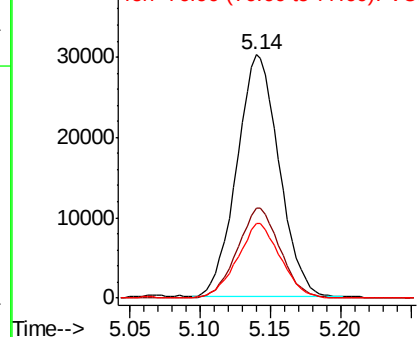


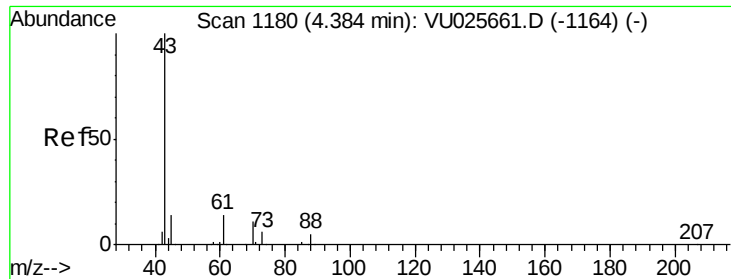
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





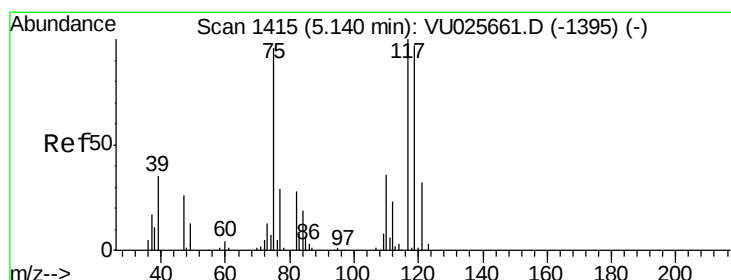
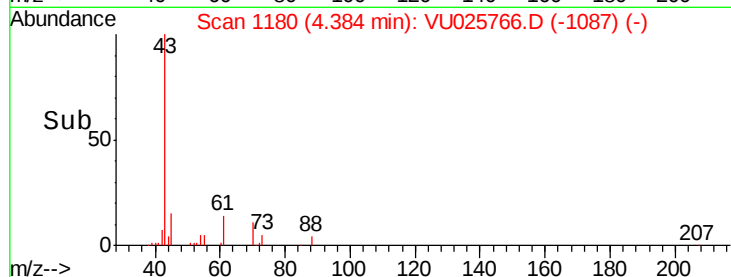
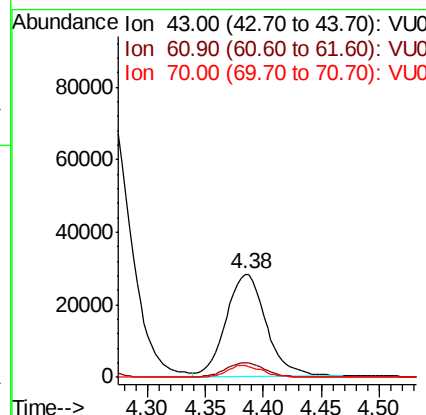
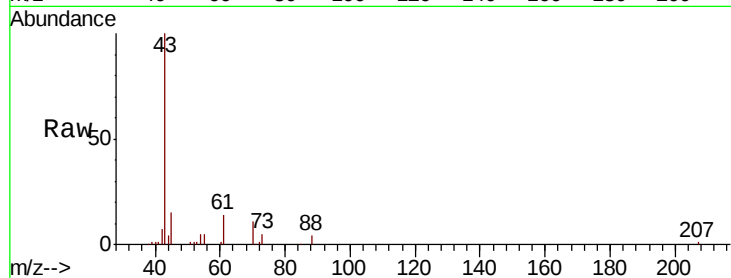
#37
Ethyl Acetate
Concen: 19.457 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.5	8.4	12.6

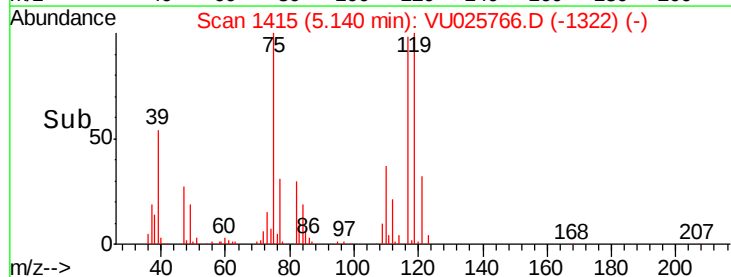
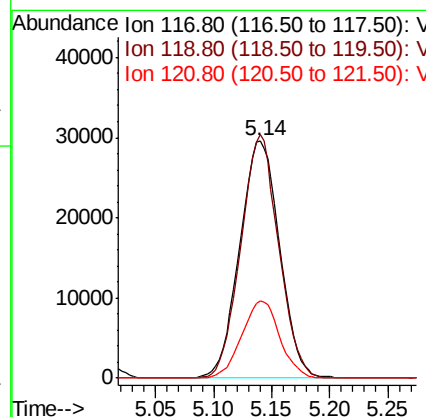
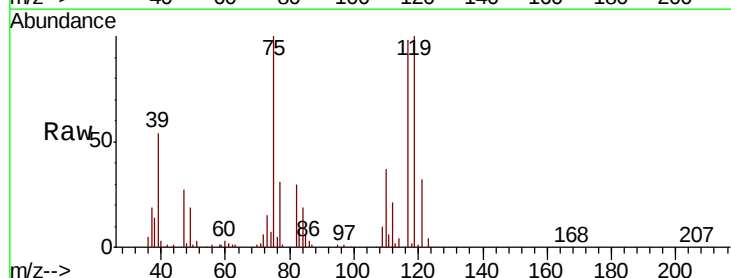
Manual Integrations
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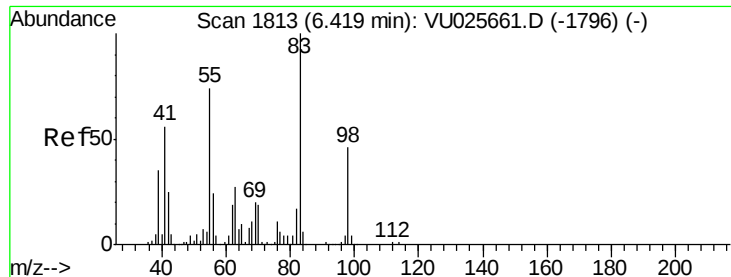
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#38
Carbon Tetrachloride
Concen: 18.625 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.4	75.7	113.5
121	32.3	24.6	36.8





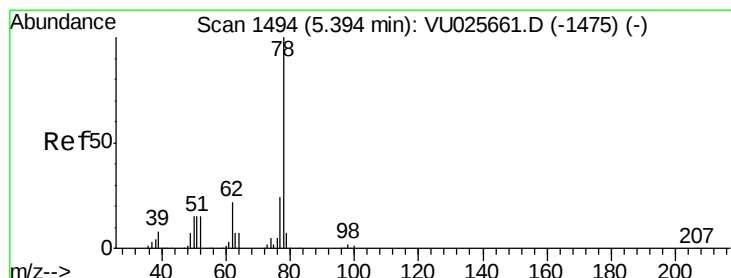
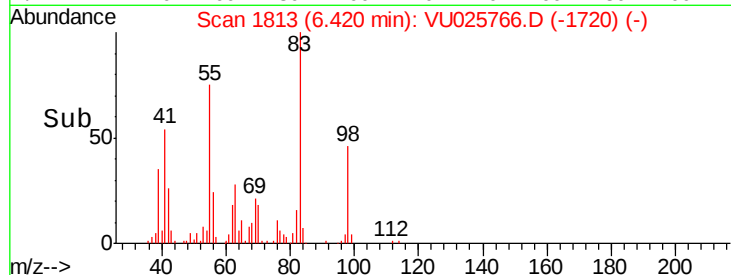
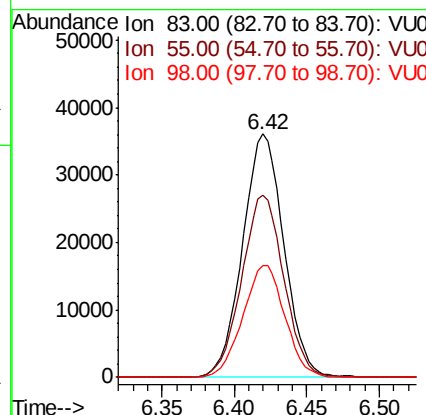
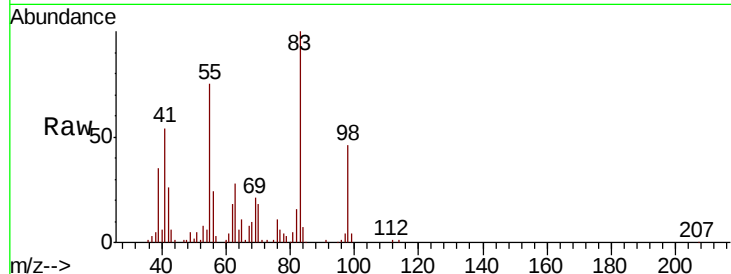
#39
Methvlcvclohexane
Concen: 18.548 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.0	90.0
98	45.9	36.1	54.1

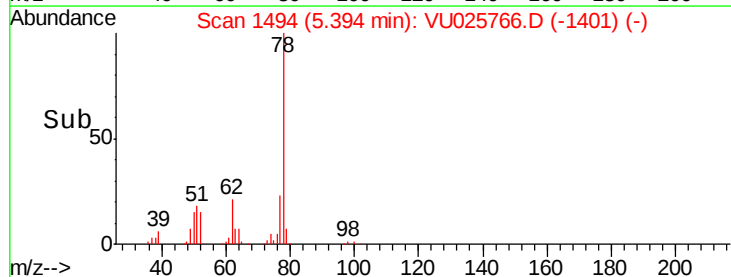
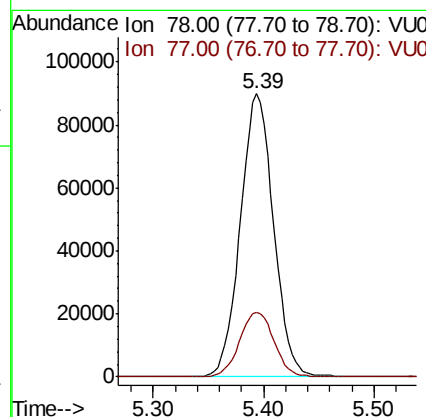
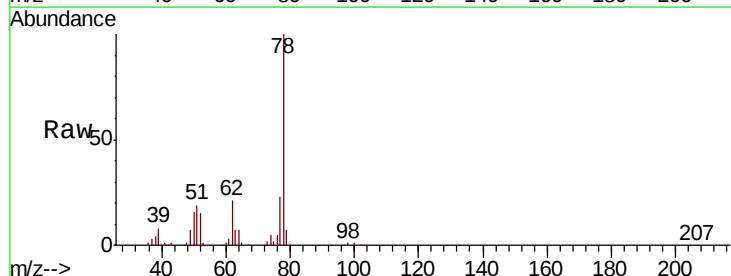
Manual Integrations
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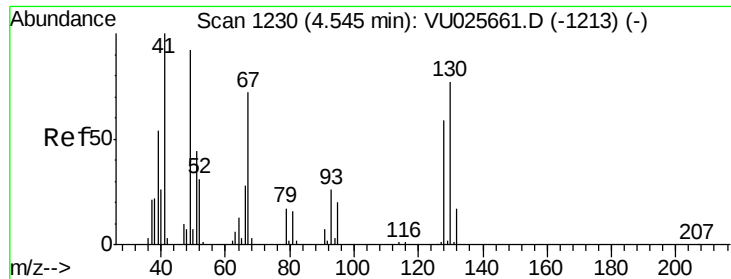
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#40
Benzene
Concen: 19.046 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.8	29.6





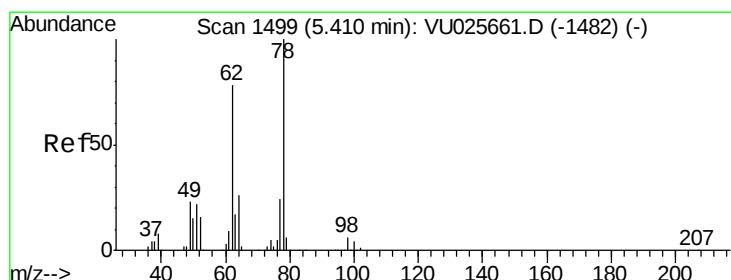
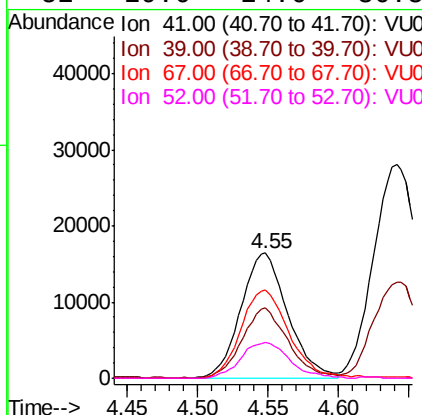
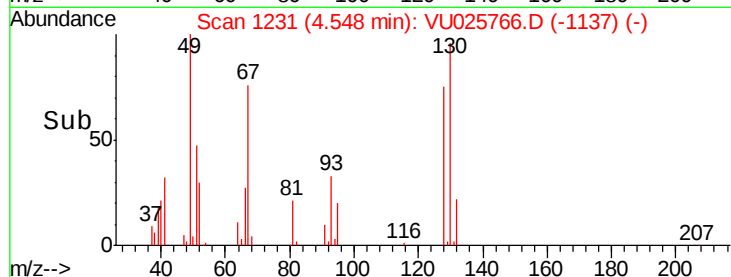
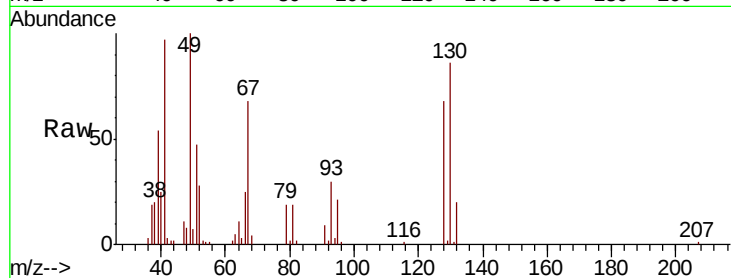
#41
Methacrylonitrile
Concen: 19.822 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		38362		
39	54.8	44.4	66.6		
67	71.9	56.0	84.0		
52	29.6	24.6	36.8		

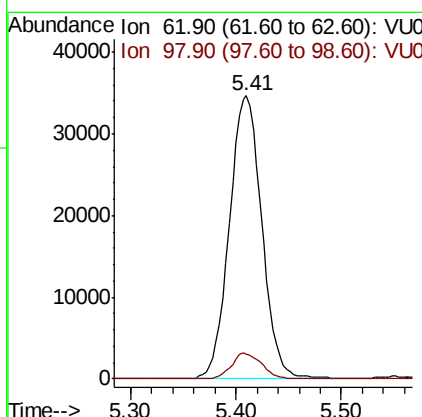
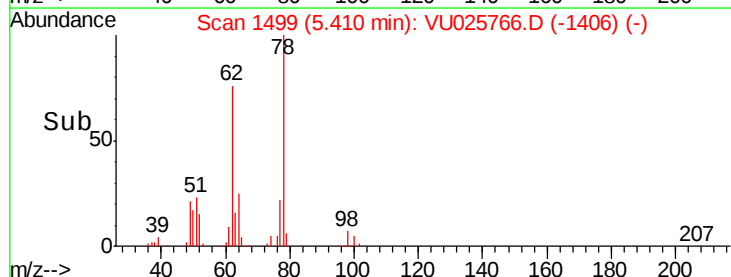
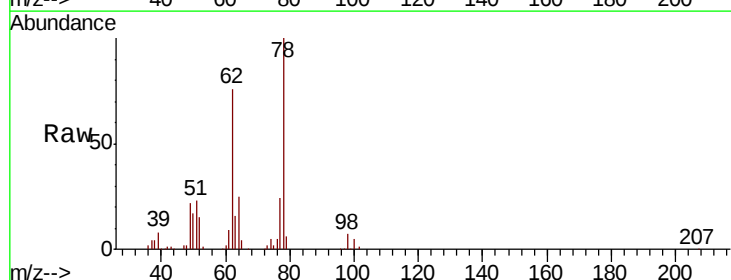
Manual Integrations
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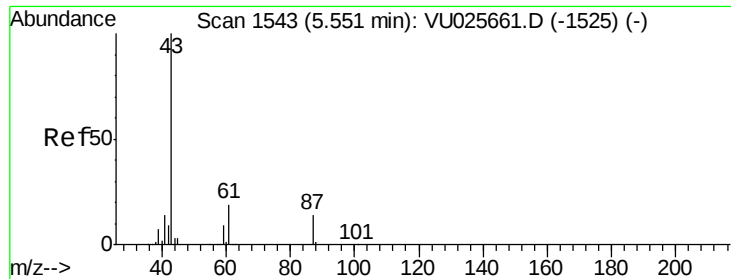
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#42
1,2-Dichloroethane
Concen: 19.506 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		73775		
98	8.5	0.0	16.4		





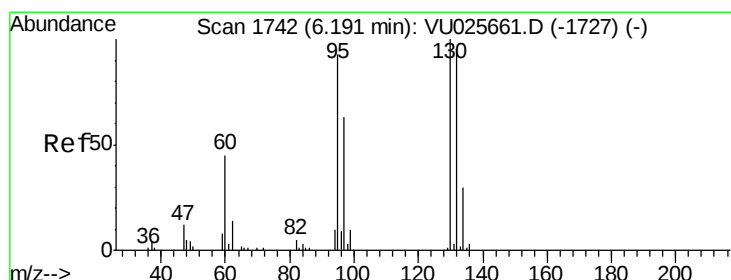
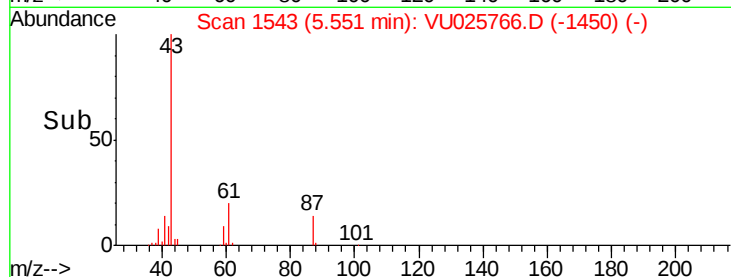
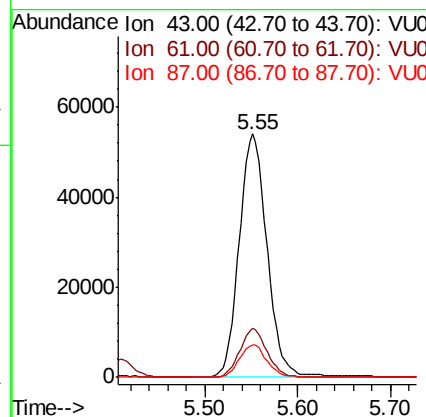
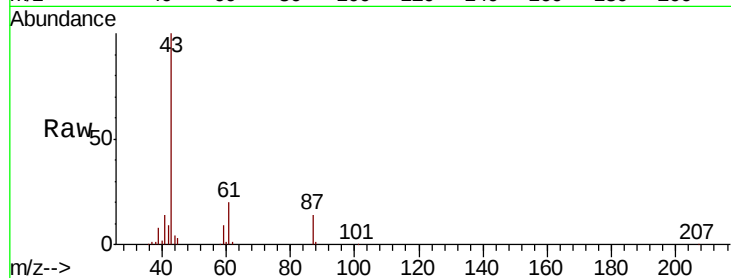
#43
Isopropyl Acetate
Concen: 19.364 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.2	10.6	16.0

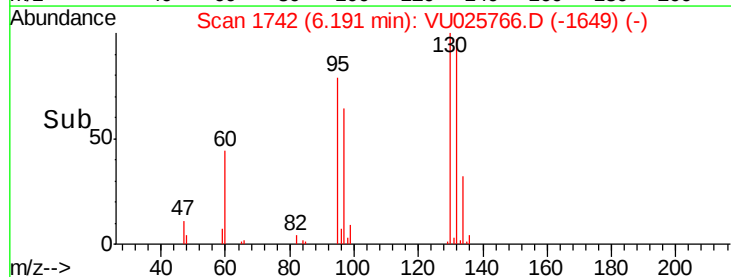
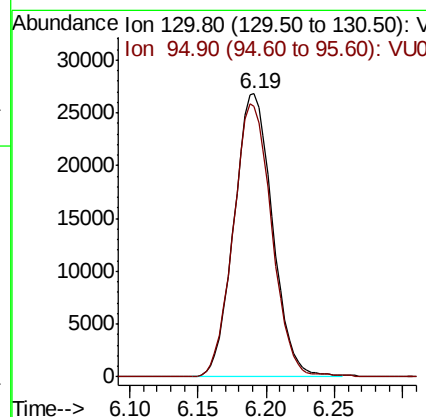
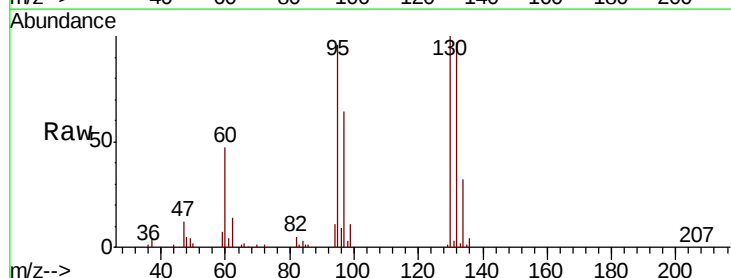
Manual Integrations
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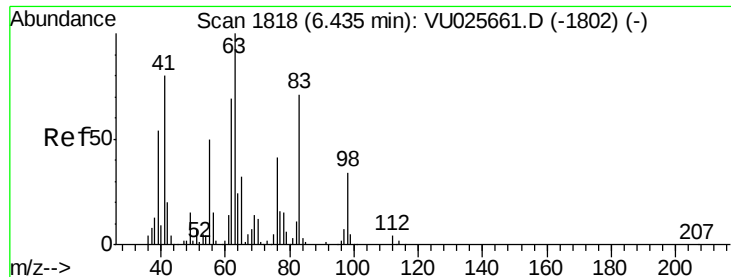
MMDadoda
8/2/2018 9:41:32 AM



#44
Trichloroethene
Concen: 19.168 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	192.2





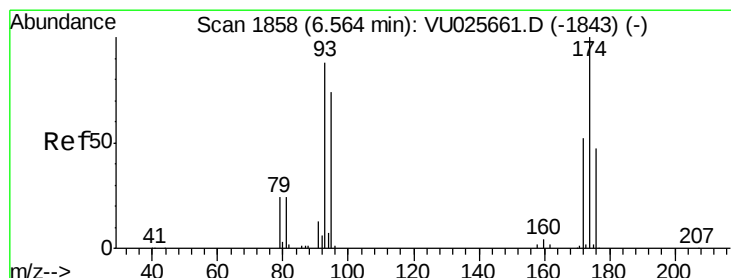
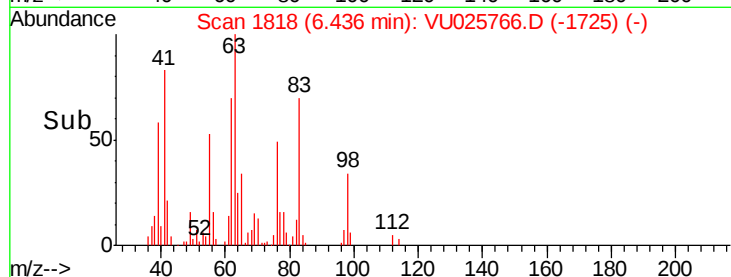
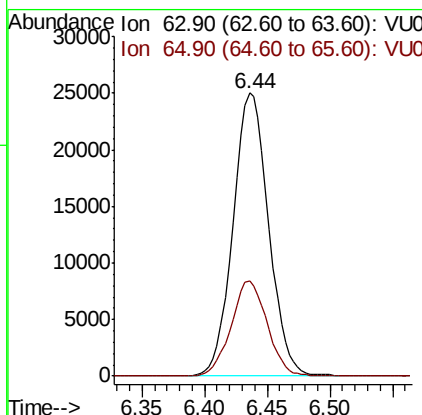
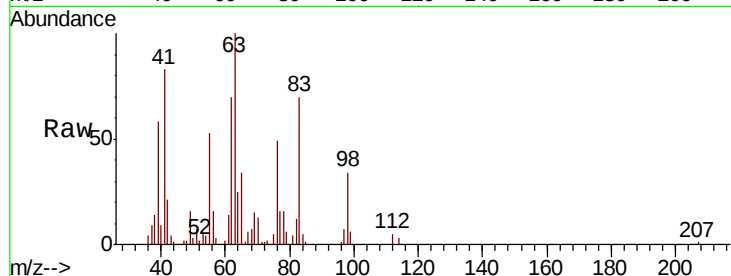
#45
 1,2-Dichloropropane
 Concen: 19.235 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion	63	Resp	49275
Ion Ratio	Lower	Upper	
63	100		
65	33.7	26.1	39.1

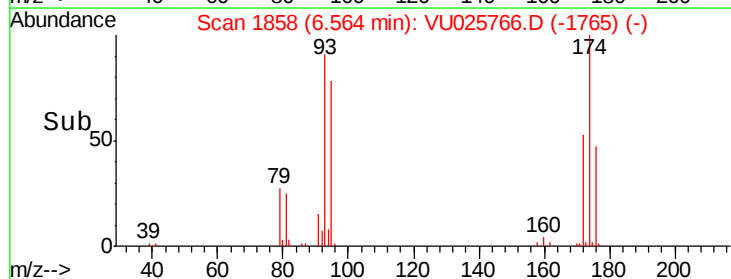
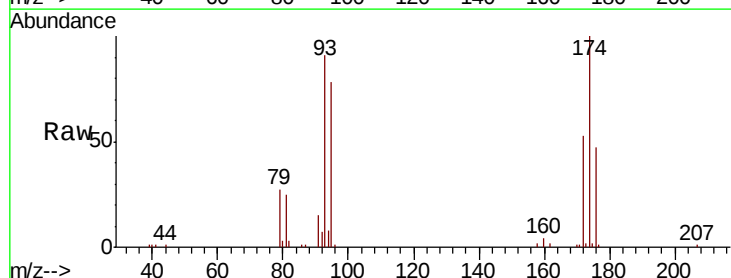
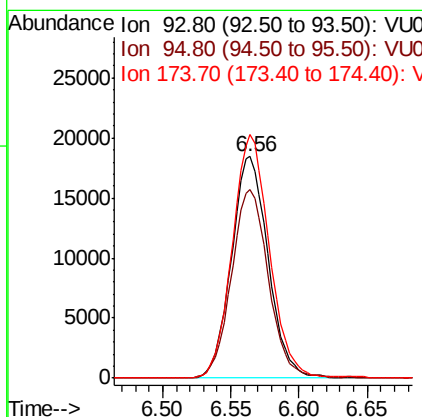
Manual Integrations
 APPROVED

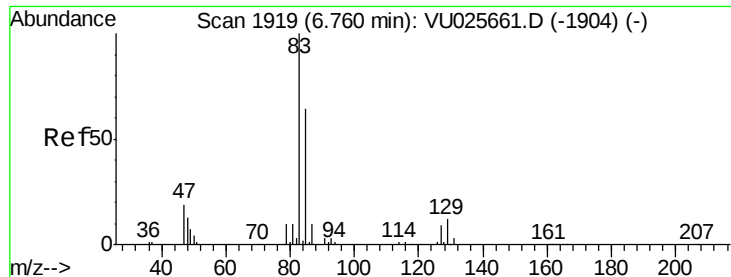
MMDadoda
 8/2/2018 9:41:32 AM



#46
 Dibromomethane
 Concen: 18.590 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion	93	Resp	34507
Ion Ratio	Lower	Upper	
93	100		
95	85.5	66.6	100.0
174	111.0	85.8	128.8





#47

Bromodichloromethane

Concen: 19.345 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

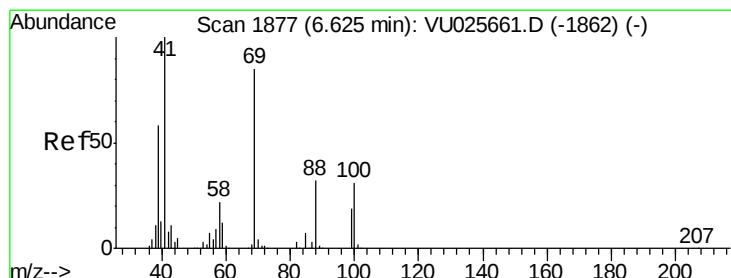
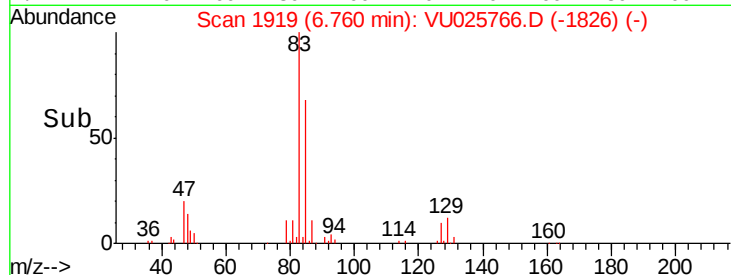
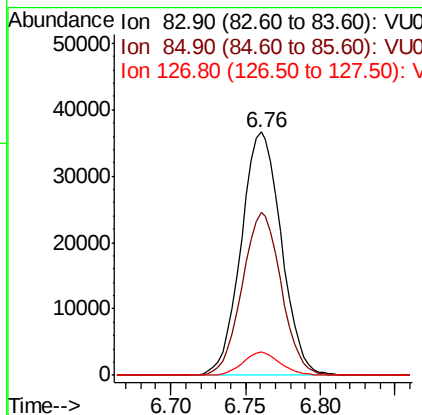
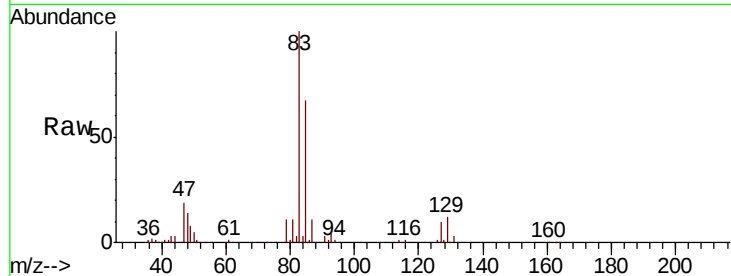
ClientSampleId :

VU0801WBS03

Tot Ion:	83	Resp:	68493
Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.2	75.4
127	9.7	7.2	10.8

Manual Integrations
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MMDadoda
8/2/2018 9:41:32 AM



#48

Methyl methacrylate

Concen: 19.547 ug/l

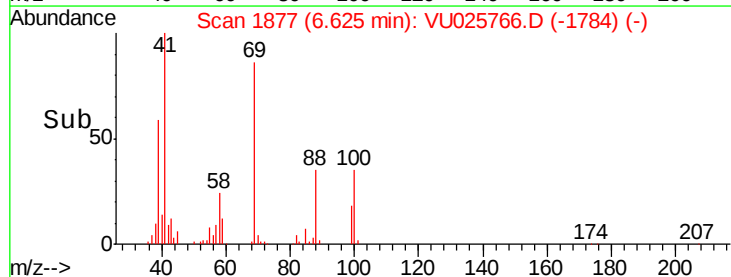
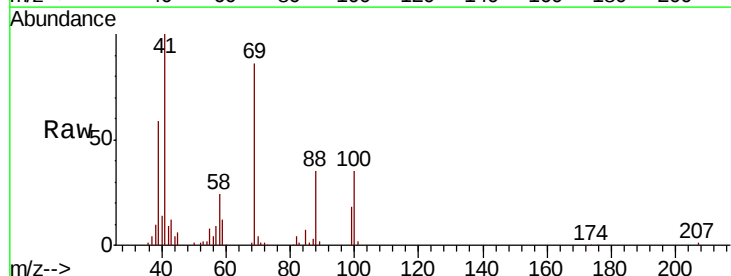
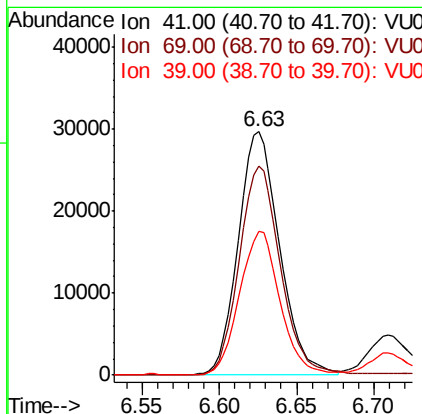
RT: 6.63 min Scan# 1877

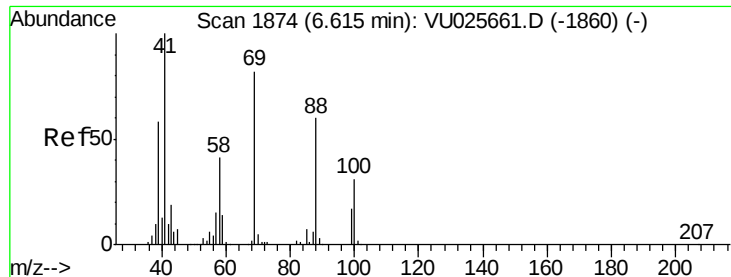
Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	41	Resp:	55160
Ion	Ratio	Lower	Upper
41	100		
69	85.7	65.0	97.4
39	58.0	46.4	69.6





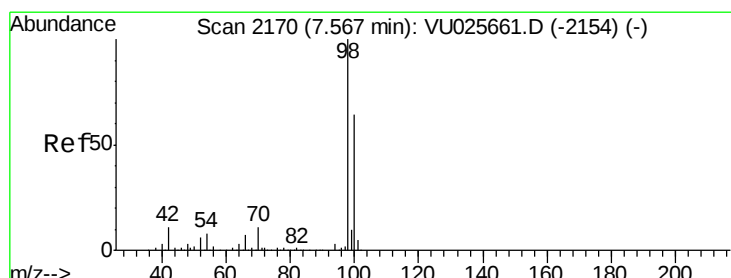
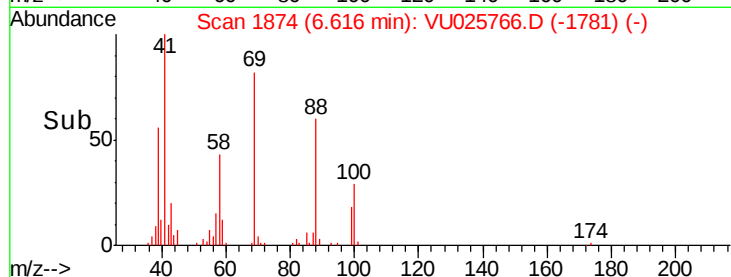
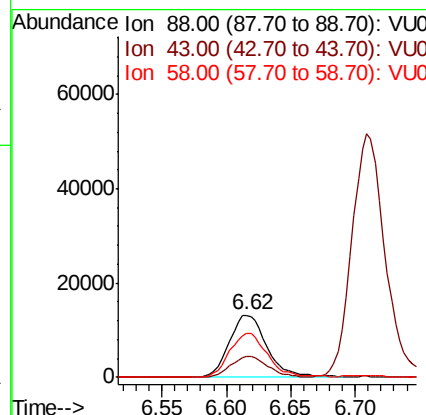
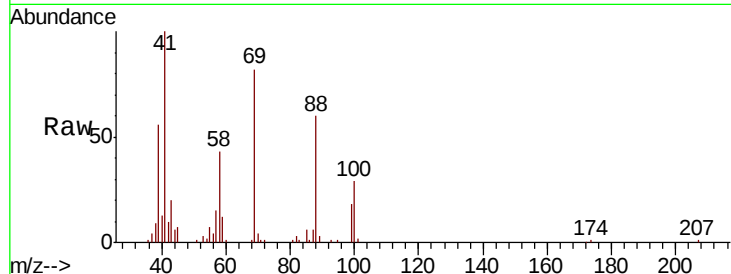
#49
1,4-Dioxane
Concen: 390.712 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.2	27.3	40.9	
58	71.6	57.6	86.4	

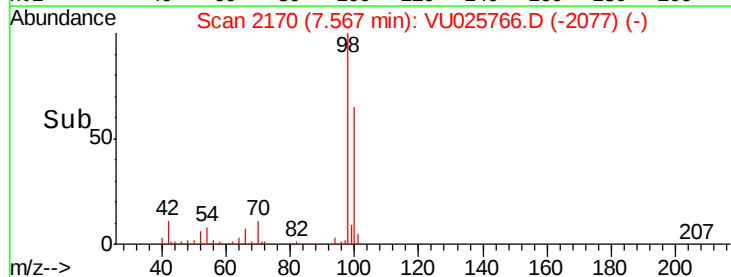
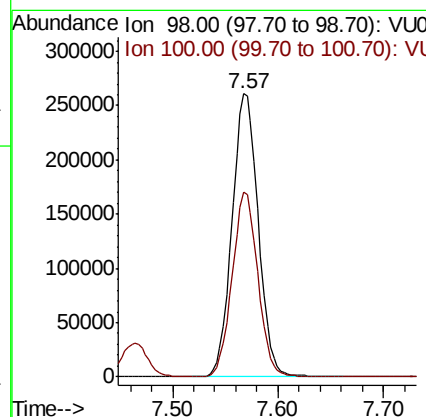
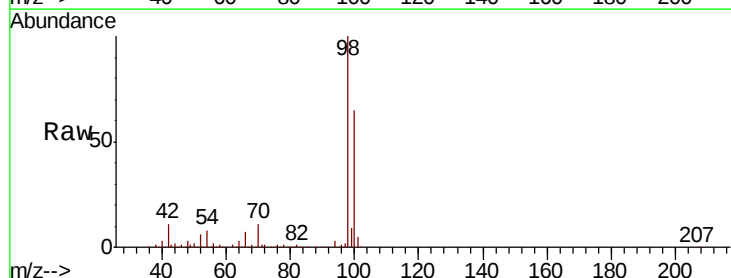
Manual Integrations
APPROVED

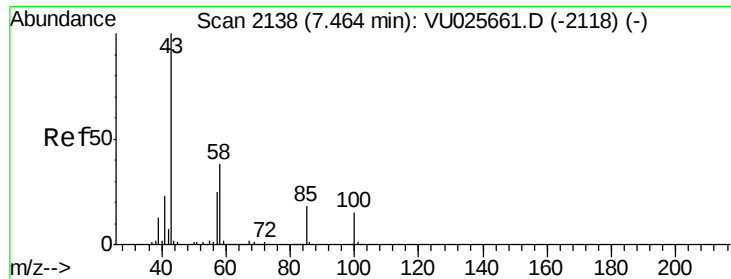
MMDadoda
8/2/2018 9:41:32 AM



#50
Toluene-d8
Concen: 51.154 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.9	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 97.976 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 43 Resp: 353178

Ion Ratio Lower Upper

43 100

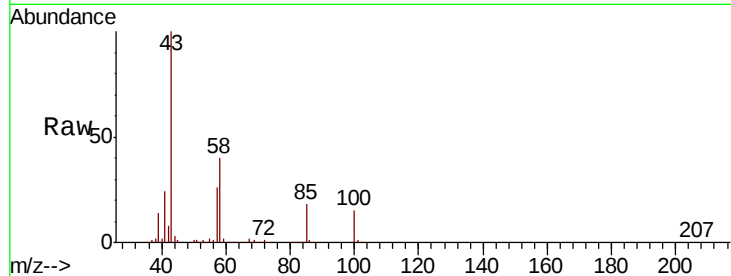
58 39.0 31.0 46.4

Manual Integrations

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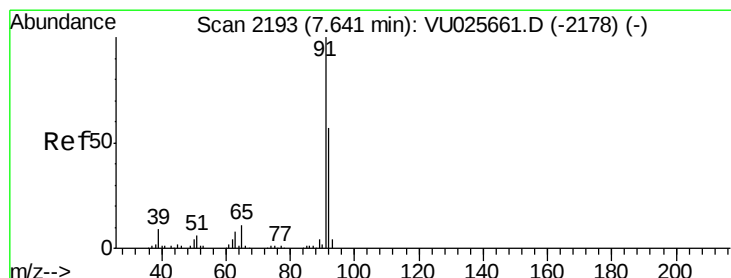
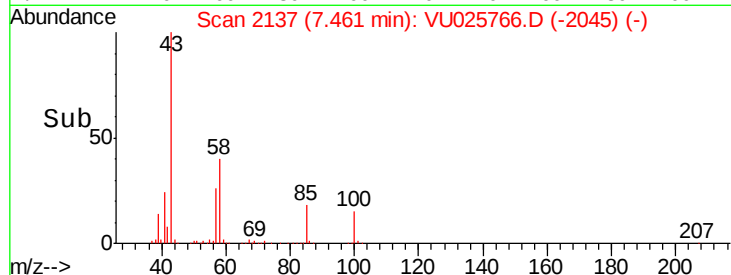
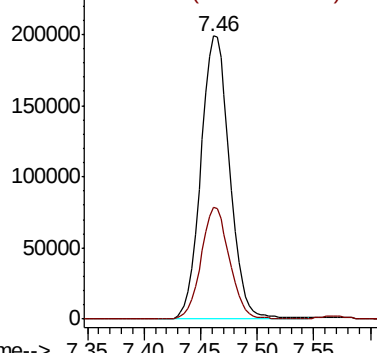
MMDadoda

8/2/2018 9:41:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.008 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025766.D

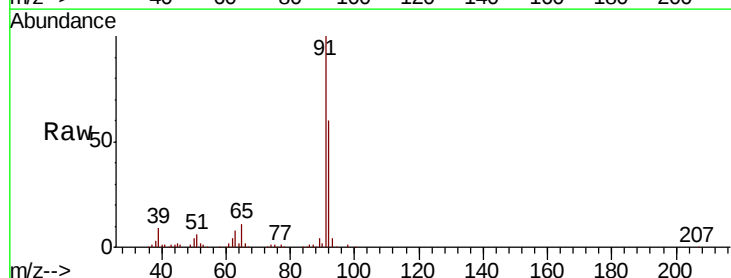
Acq: 01 Aug 2018 10:57

Tgt Ion: 92 Resp: 122094

Ion Ratio Lower Upper

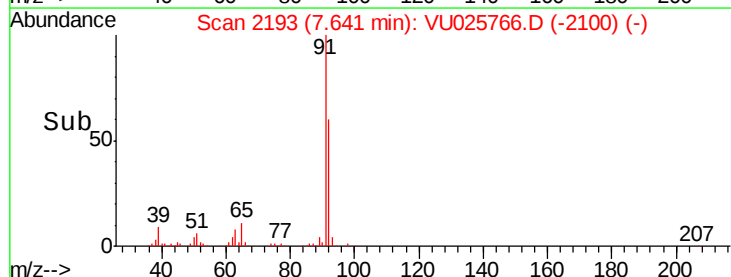
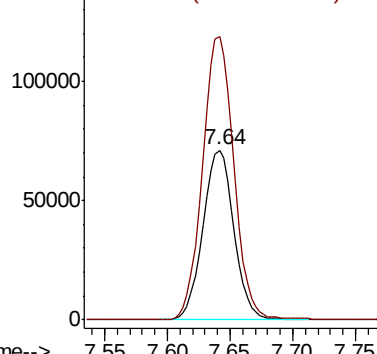
92 100

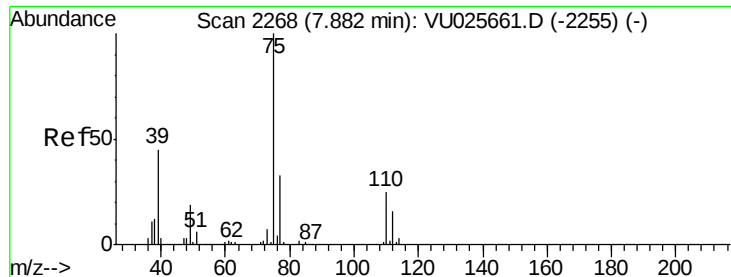
91 169.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





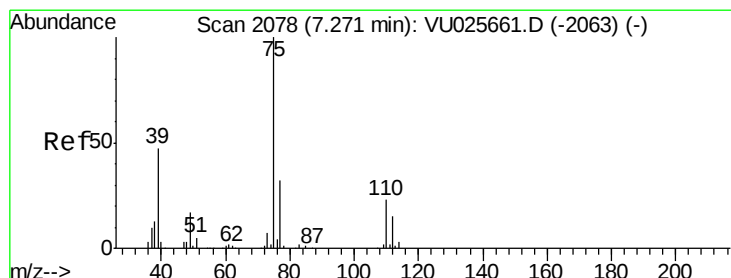
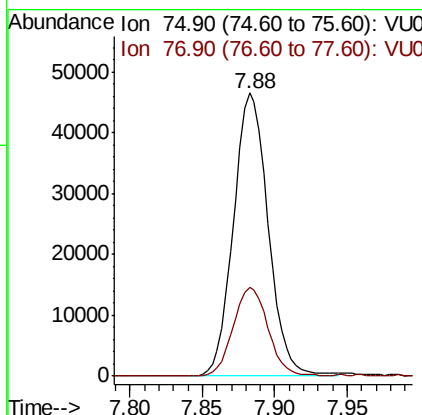
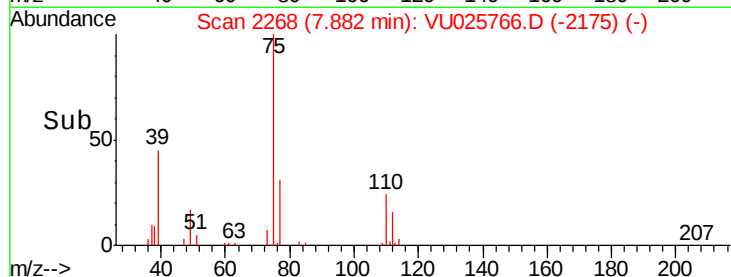
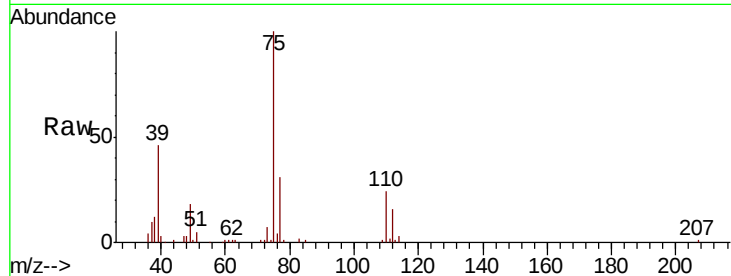
#53
t-1,3-Dichloropropene
Concen: 19.505 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampled :
VU0801WBS03

Tot Ion: 75 Resp: 77544
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7

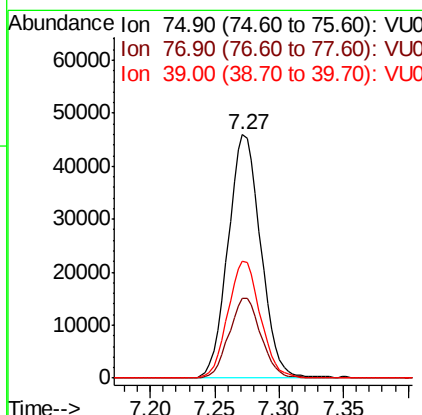
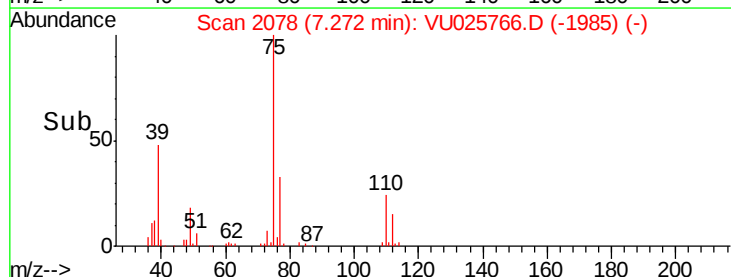
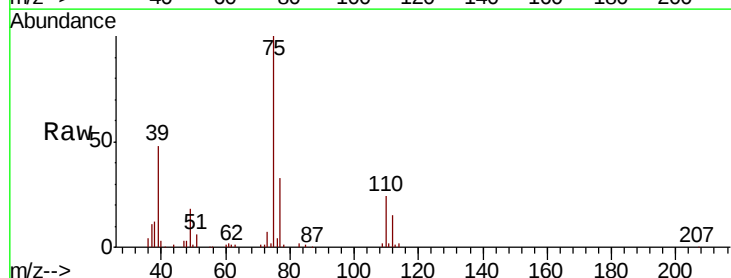
Manual Integrations
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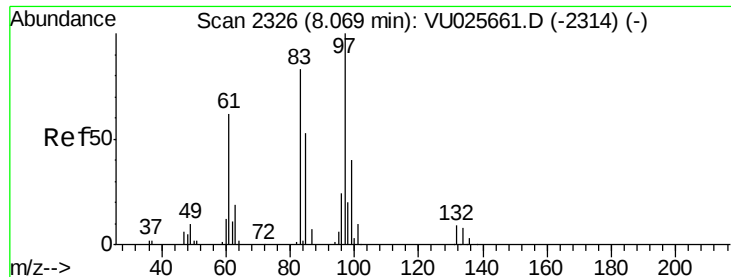
MMDadoda
8/2/2018 9:41:32 AM



#54
cis-1,3-Dichloropropene
Concen: 19.858 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion: 75 Resp: 81094
Ion Ratio Lower Upper
75 100
77 32.9 25.6 38.4
39 47.7 40.0 60.0





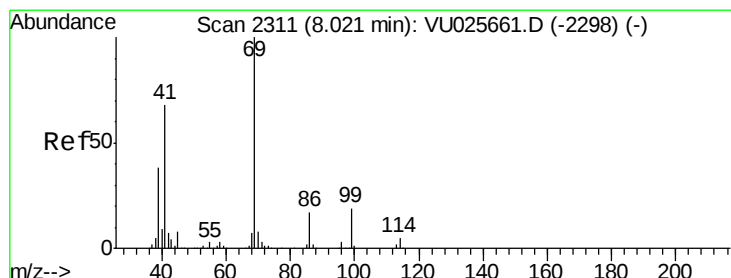
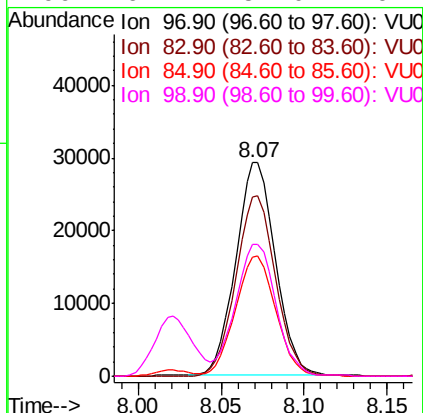
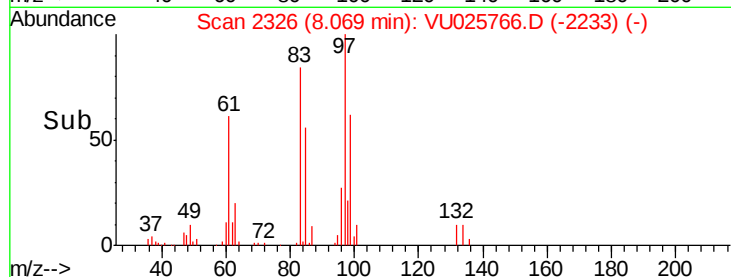
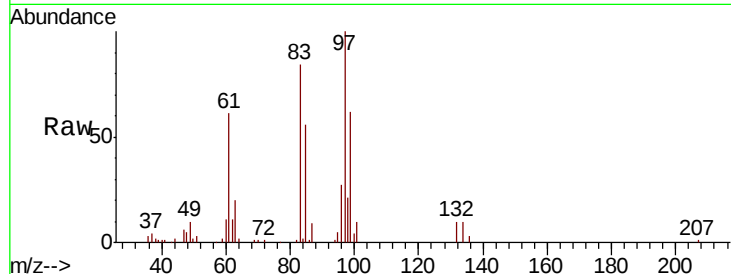
#55
 1,1,2-Trichloroethane
 Concen: 19.106 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion:	97	Resp:	48452
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	55.8	44.4	66.6
99	61.2	51.0	76.4

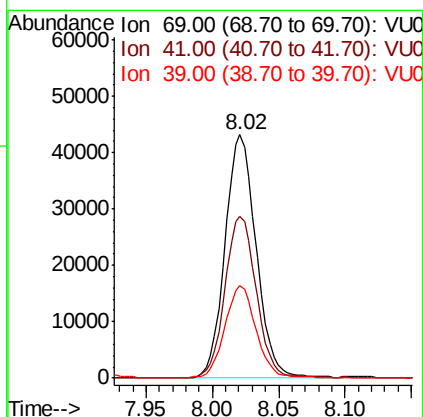
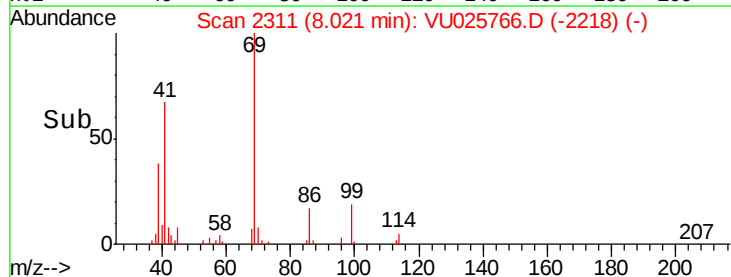
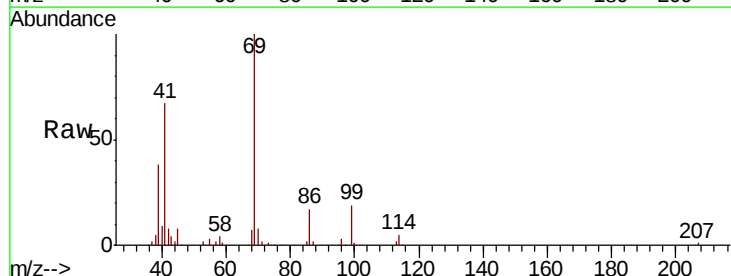
Manual Integrations
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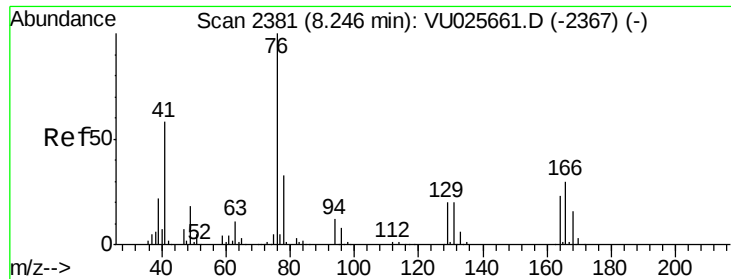
MMDadoda
 8/2/2018 9:41:32 AM



#56
 Ethyl methacrylate
 Concen: 19.458 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion:	69	Resp:	70503
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.8	82.2
39	38.7	31.1	46.7





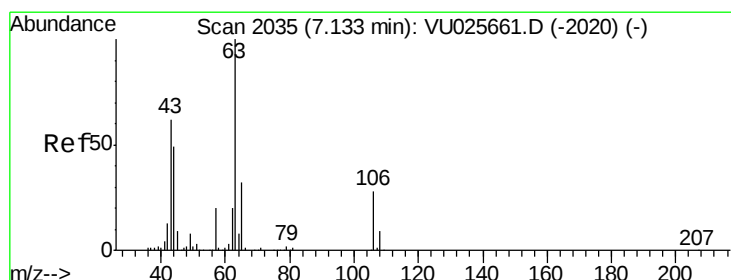
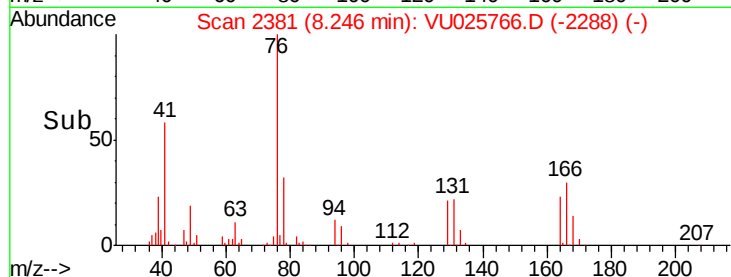
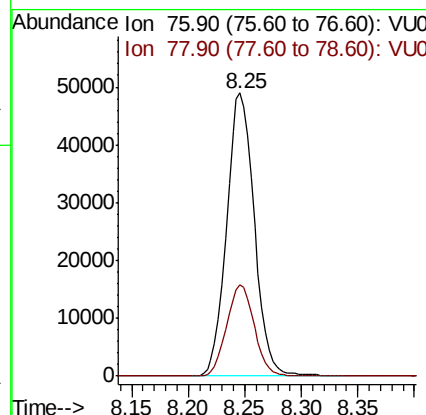
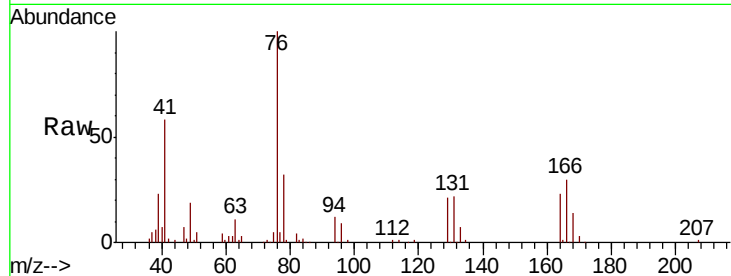
#57
 1,3-Dichloropropane
 Concen: 19.567 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion: 76 Resp: 83448
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

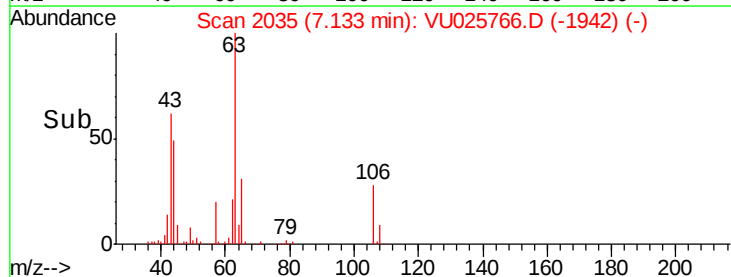
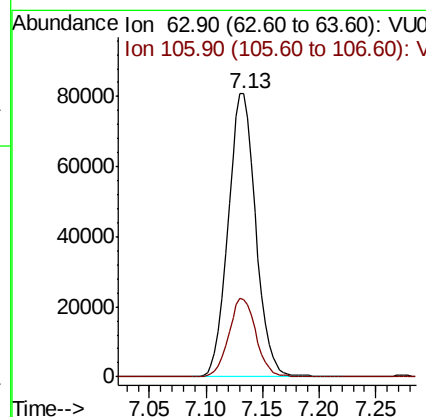
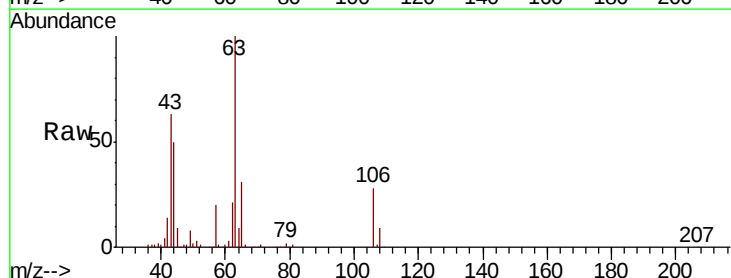
Manual Integrations
 APPROVED

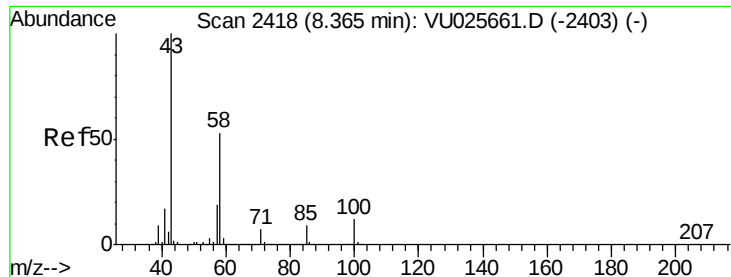
MMDadoda
 8/2/2018 9:41:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.394 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion: 63 Resp: 137311
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.3 33.5





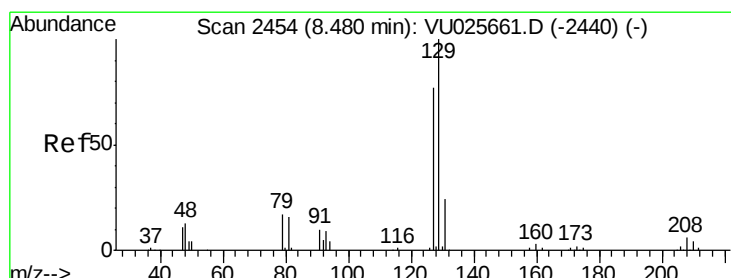
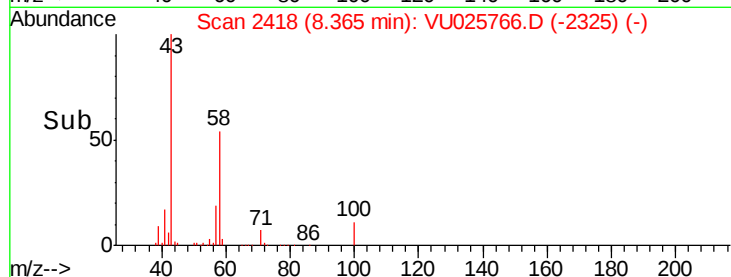
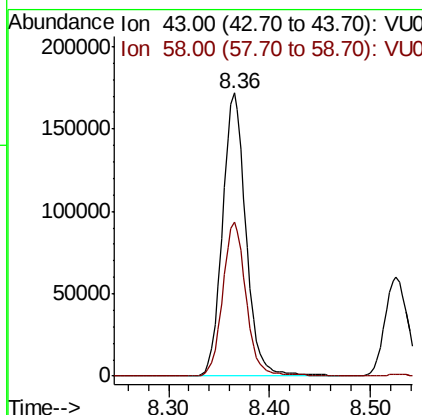
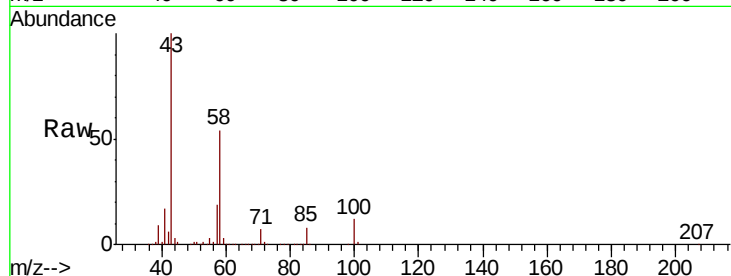
#59
2-Hexanone
Concen: 99.101 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	26.2	78.5

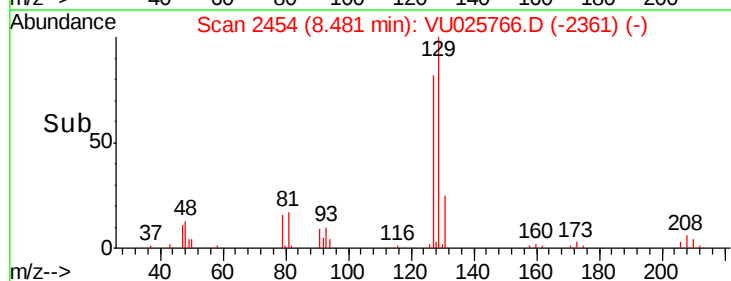
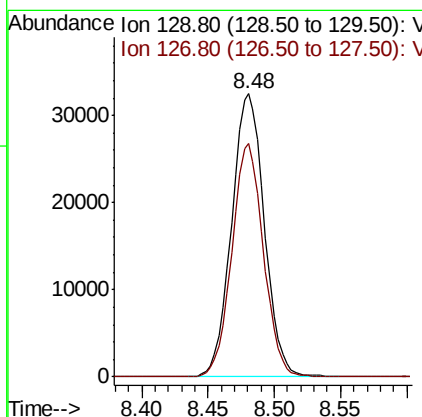
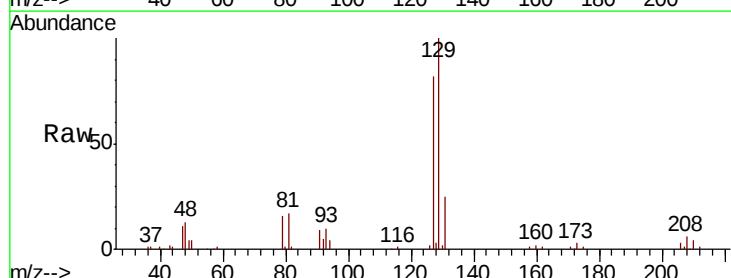
Manual Integrations
APPROVED

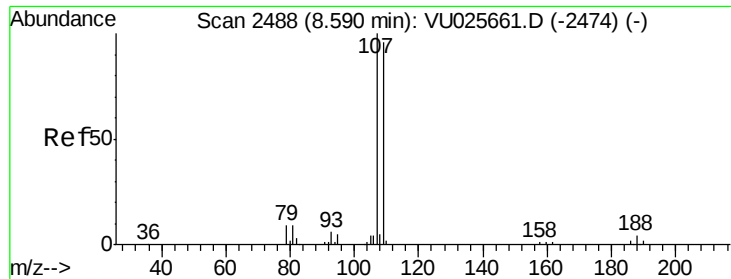
MMDadoda
8/2/2018 9:41:32 AM



#60
Dibromochloromethane
Concen: 18.608 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.6	115.8





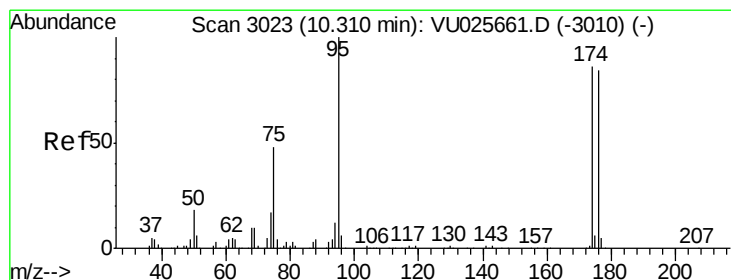
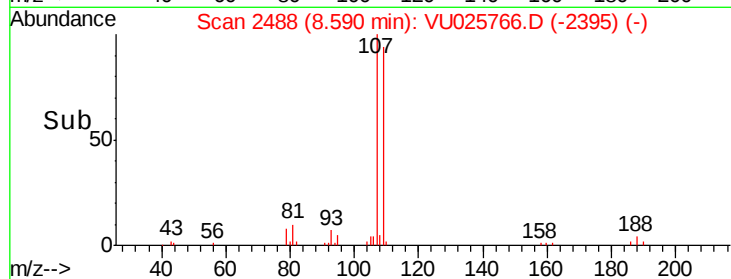
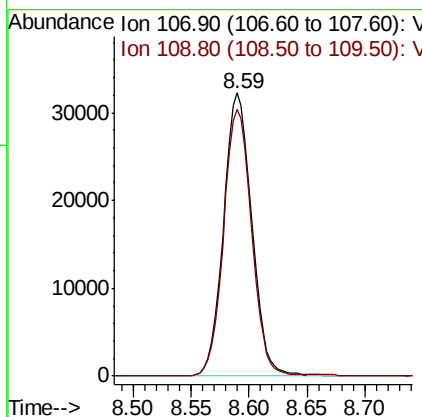
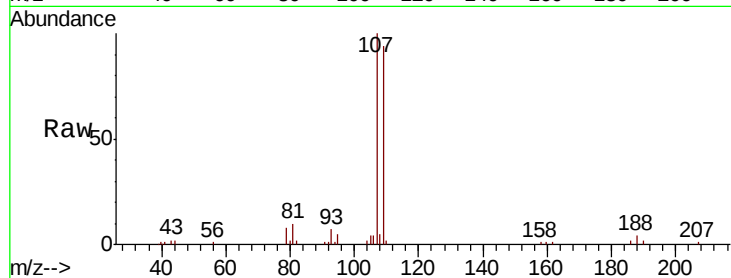
#61
 1,2-Dibromoethane
 Concen: 19.341 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.8

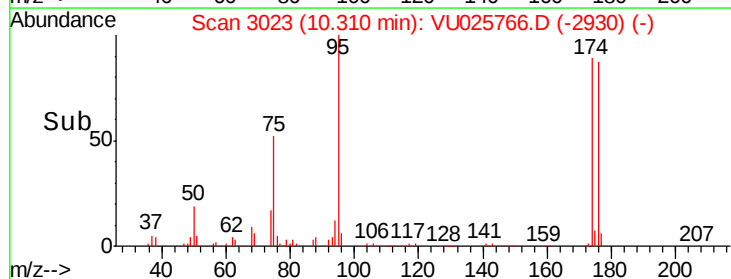
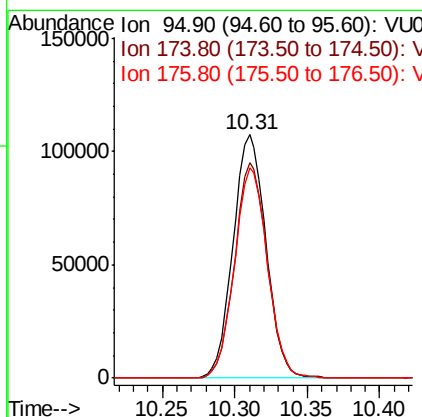
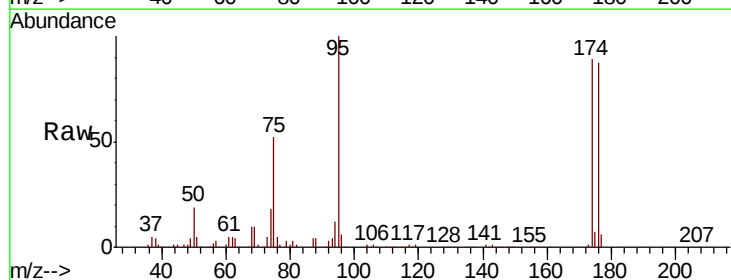
Manual Integrations
 APPROVED

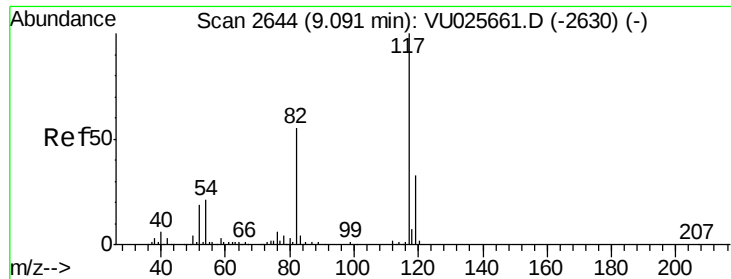
MMDadoda
 8/2/2018 9:41:32 AM



#62
 4-Bromofluorobenzene
 Concen: 49.936 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	172.2
176	86.4	0.0	162.6





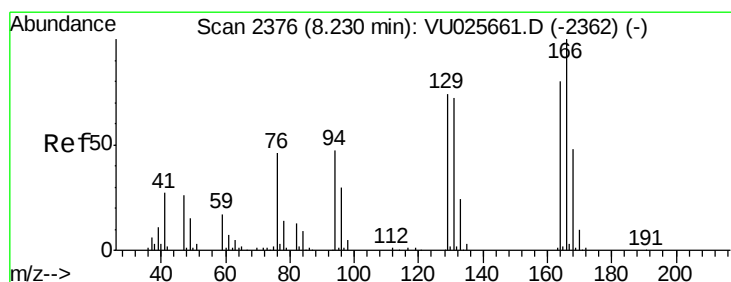
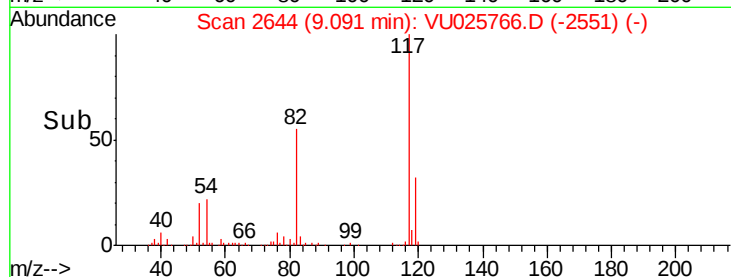
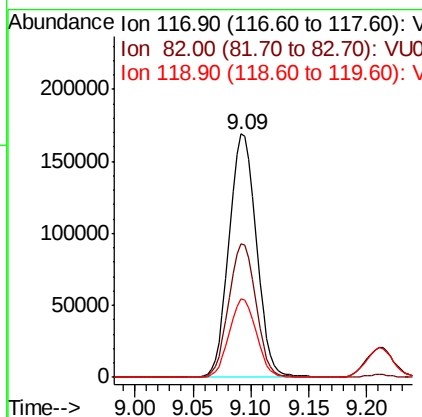
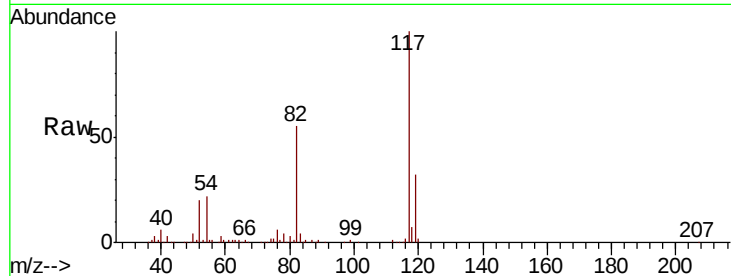
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275865		
82	54.9		46.0	69.0
119	32.2		26.0	39.0

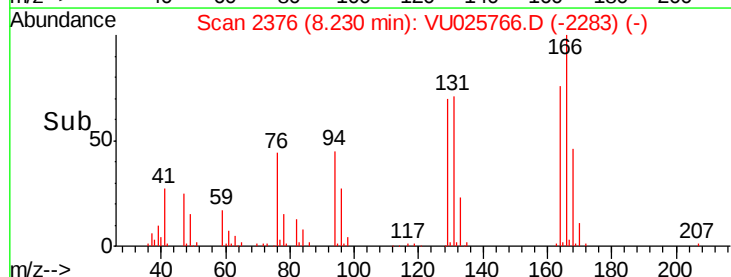
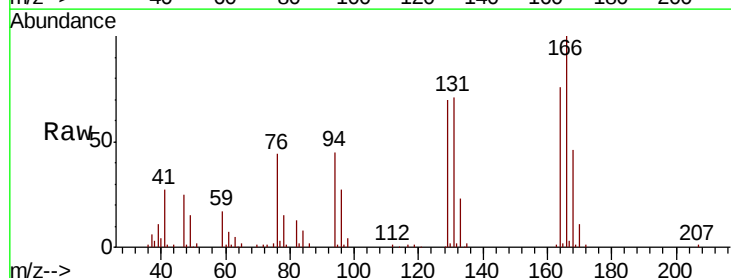
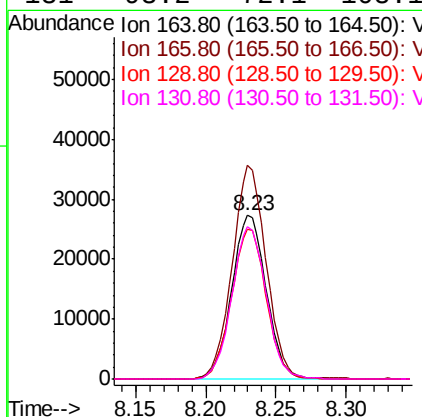
Manual Integrations
APPROVED

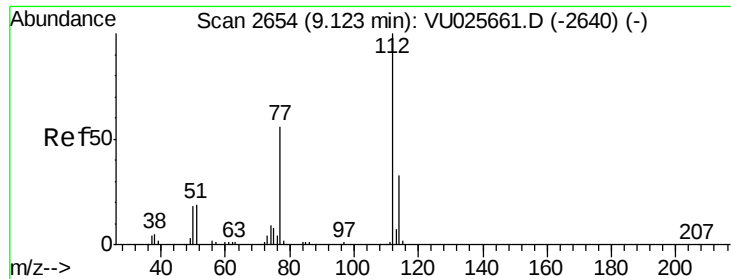
MMDadoda
8/2/2018 9:41:32 AM



#64
Tetrachloroethene
Concen: 19.226 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46683		
166	130.8		101.1	151.7
129	91.9		73.0	109.6
131	93.2		72.1	108.1





#65

Chlorobenzene

Concen: 19.326 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion:112 Resp: 137455

Ion Ratio Lower Upper

112 100

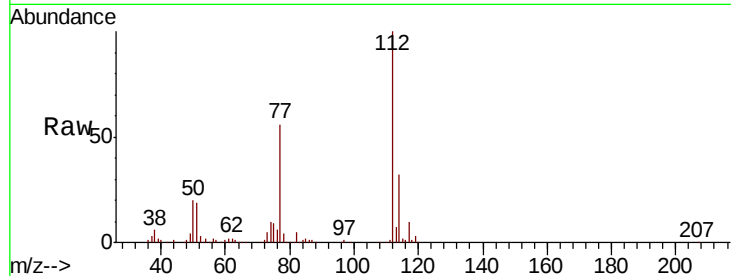
114 32.1 25.8 38.8

Manual Integrations

APPROVED

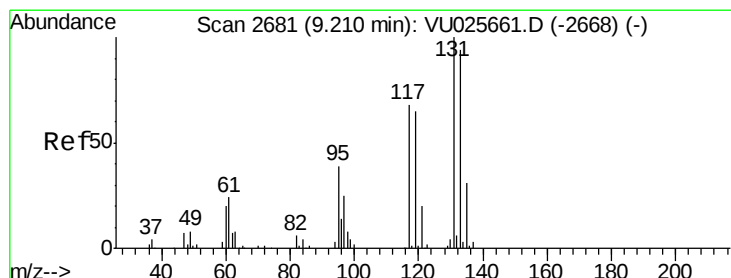
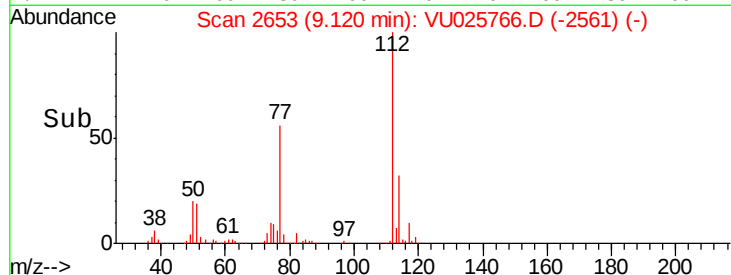
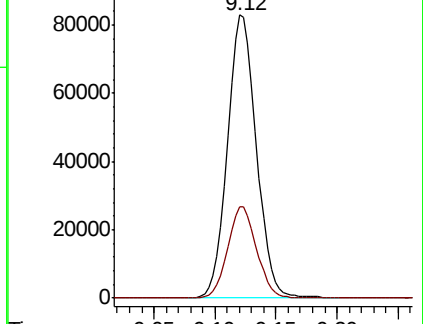
MMDadoda

8/2/2018 9:41:32 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.107 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

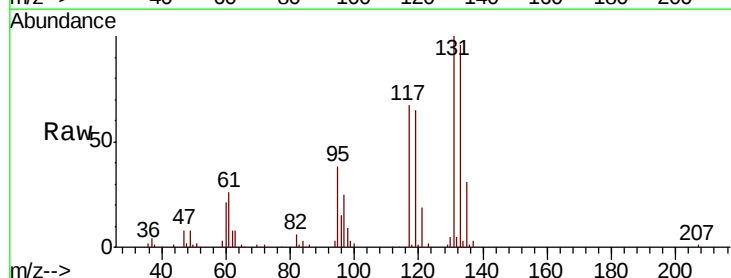
Tgt Ion:131 Resp: 51734

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

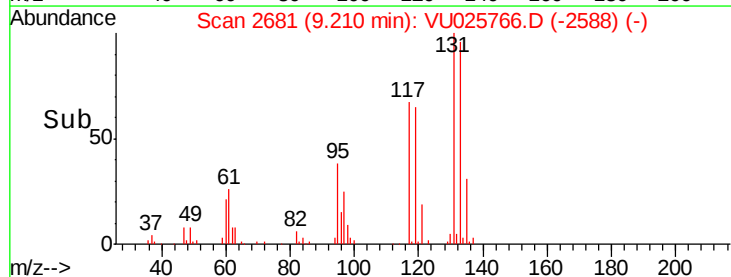
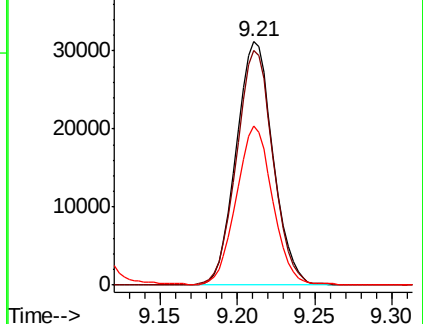
119 63.2 31.6 95.0

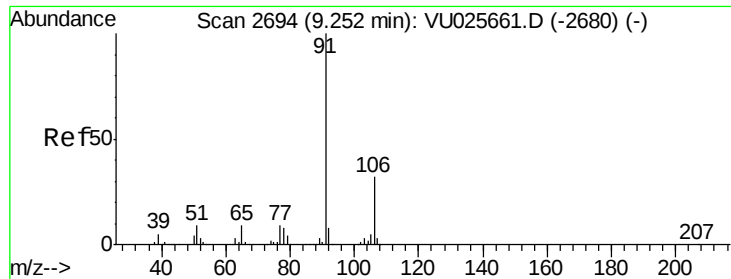


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





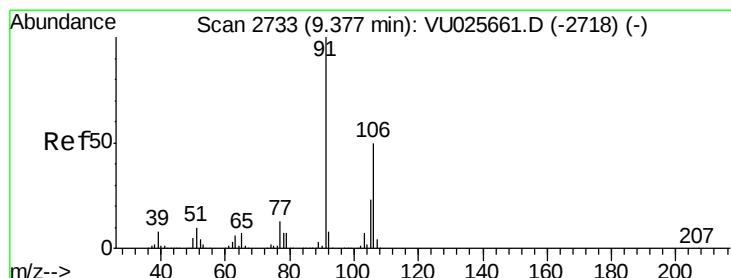
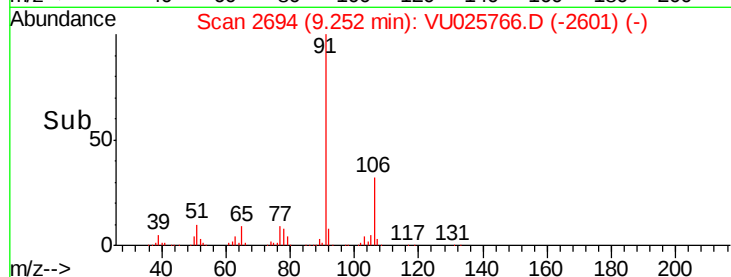
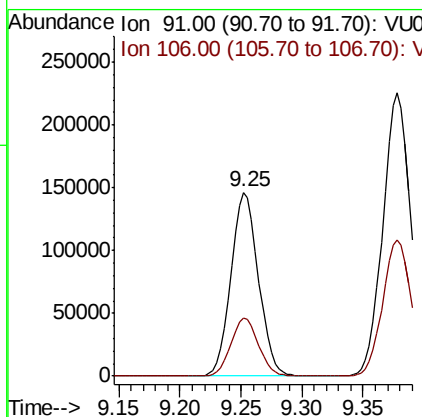
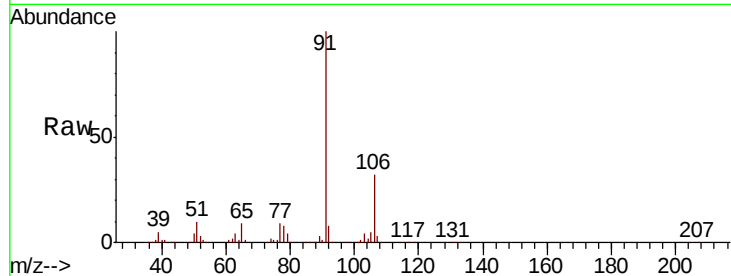
#67
Ethyl Benzene
Concen: 19.508 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9

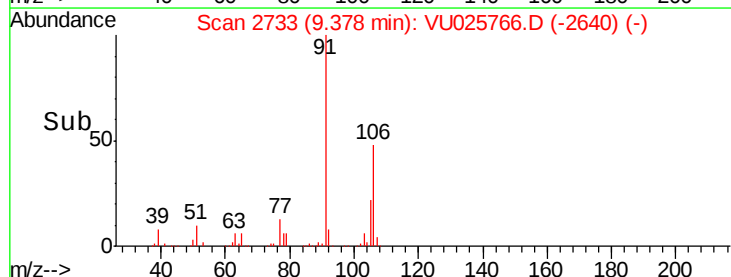
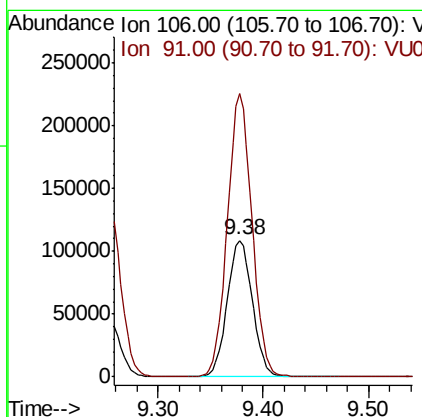
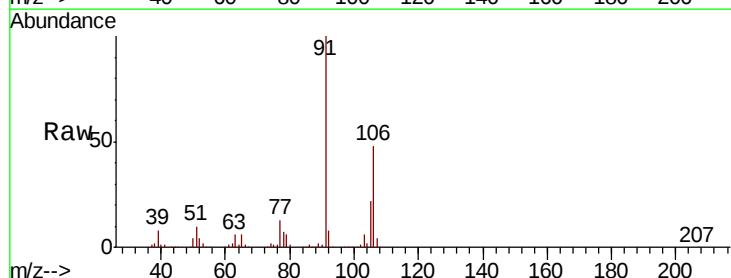
Manual Integrations
APPROVED

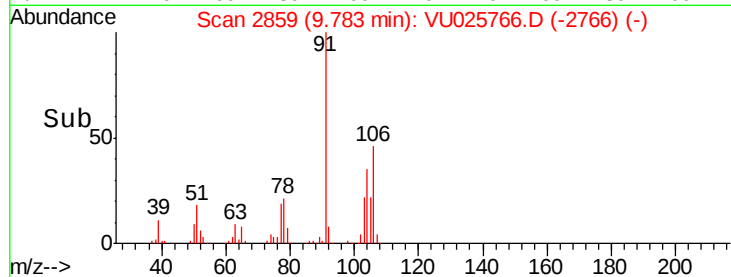
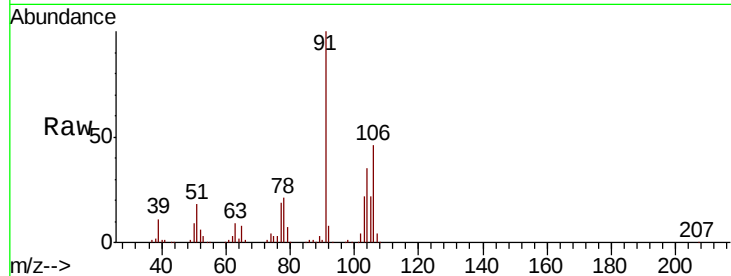
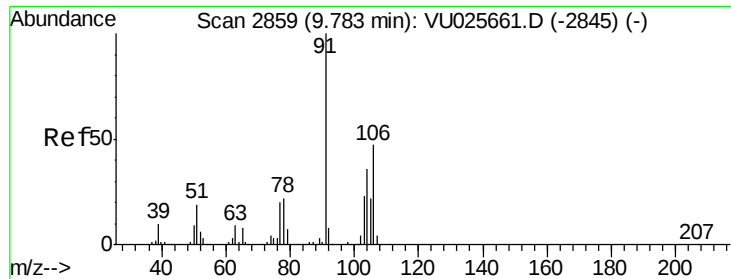
MMDadoda
8/2/2018 9:41:32 AM



#68
m/p-Xylenes
Concen: 39.745 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.3	162.3	243.5





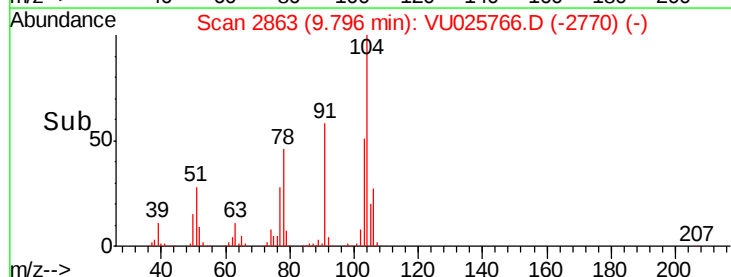
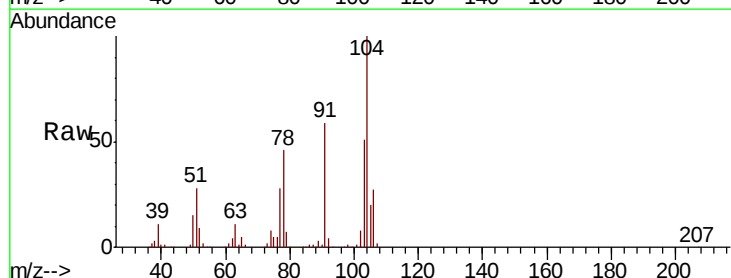
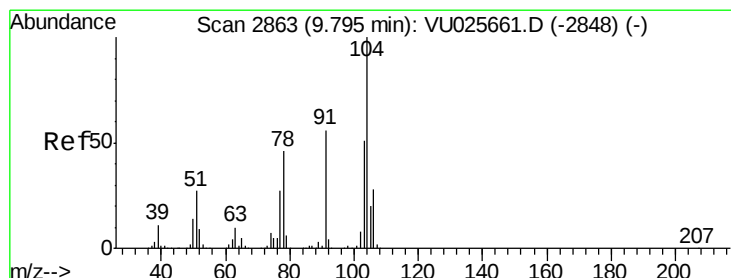
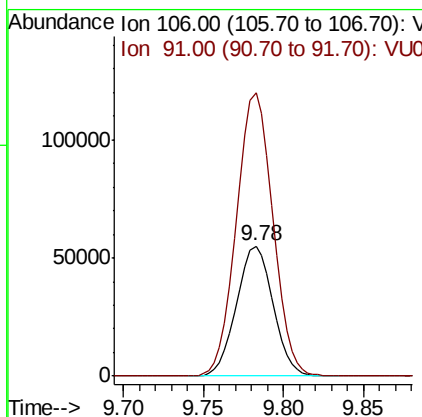
#69
o-Xylene
Concen: 19.339 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		85490		
91	218.0	105.3	315.8		

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

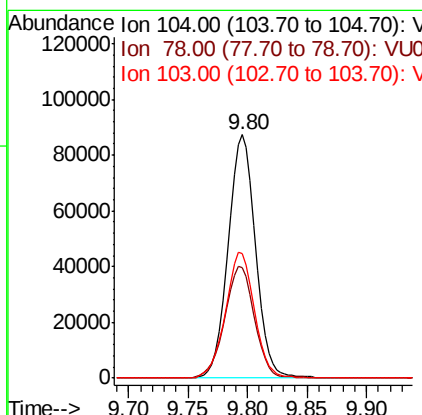
Manual Integrations
APPROVED

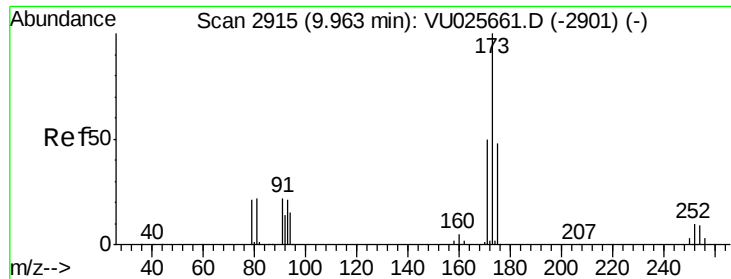
MMDadoda
8/2/2018 9:41:32 AM



#70
Styrene
Concen: 19.506 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		139282		
78	50.0	41.6	62.4		
103	54.9	44.6	66.8		





#71

Bromoform

Concen: 19.223 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

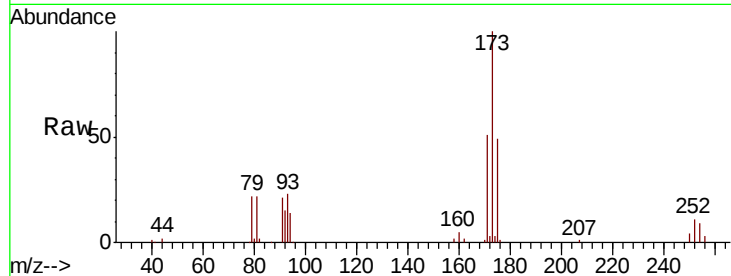
ClientSampleId :

VU0801WBS03

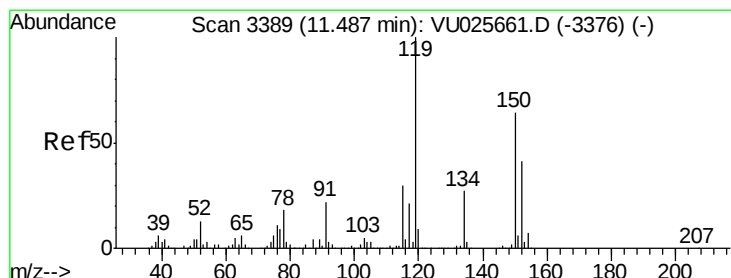
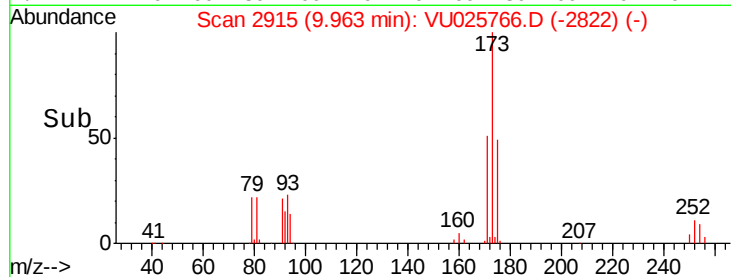
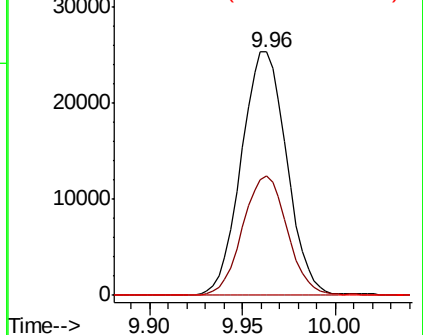
Tot Ion:	173	Resp:	42887
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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8/2/2018 9:41:32 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

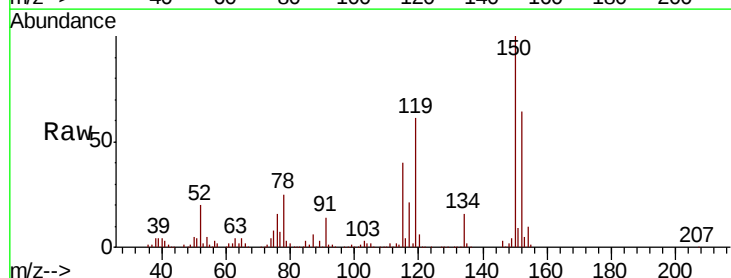
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

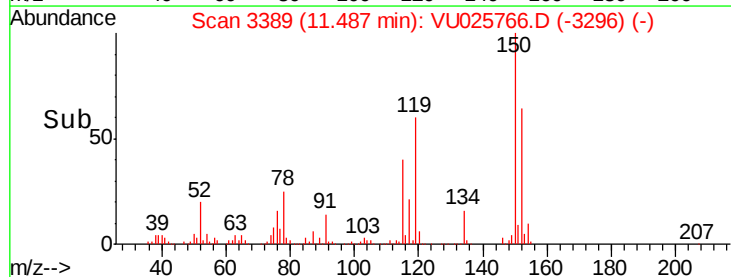
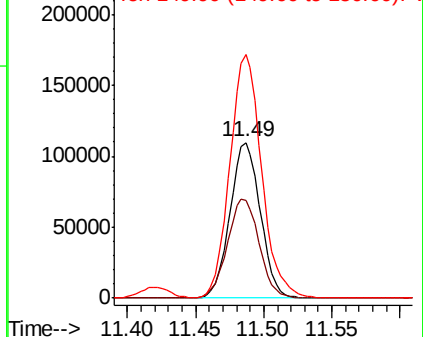
Lab File: VU025766.D

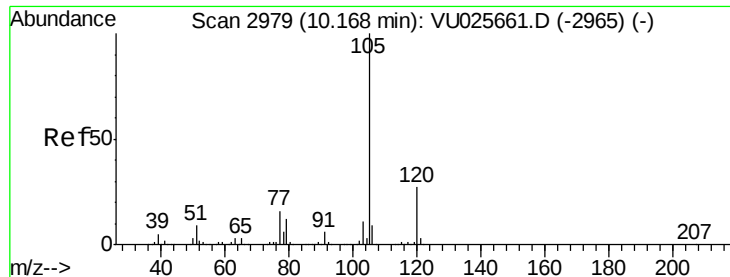
Acq: 01 Aug 2018 10:57

Tgt Ion:	152	Resp:	169011
Ion	Ratio	Lower	Upper
152	100		
115	66.5	40.1	120.3
150	164.6	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.256 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 105 Resp: 233654

Ion Ratio Lower Upper

105 100

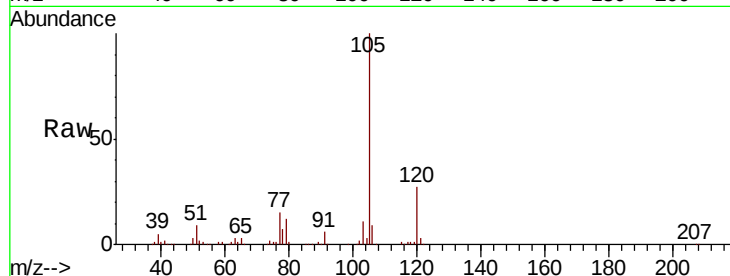
120 27.2 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

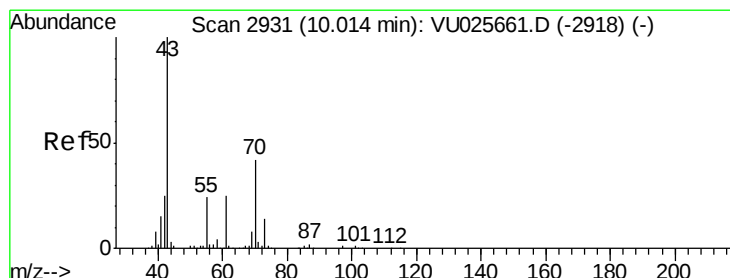
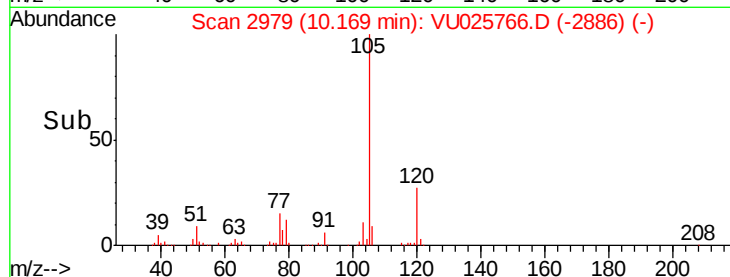
100000

50000

0

10.10 10.15 10.20 10.25

Time-->



#74

N-ethyl acetate

Concen: 20.451 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion: 43 Resp: 96306

Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.2

55 24.2 19.0 28.6

61 23.5 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

100000

80000

60000

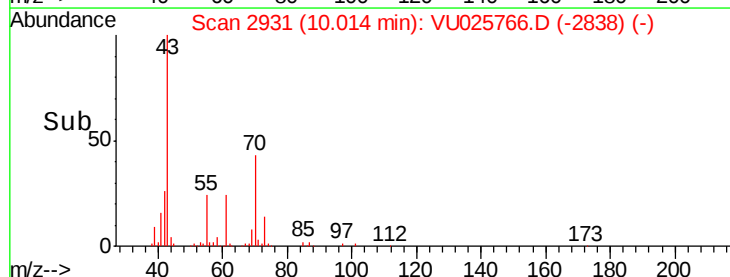
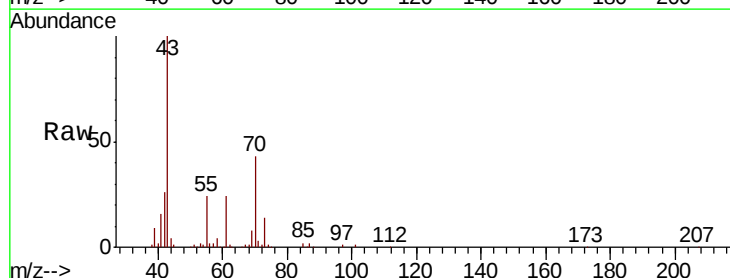
40000

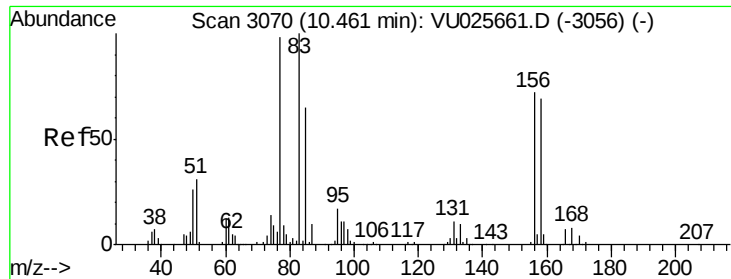
20000

0

10.00 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.106 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

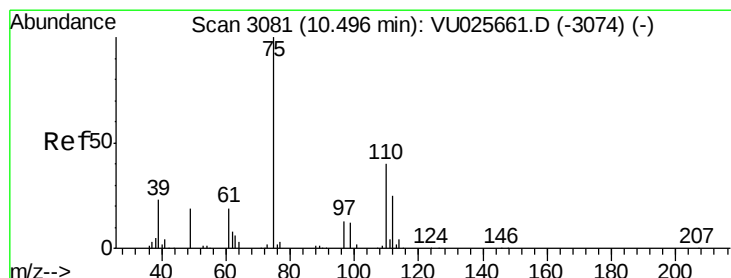
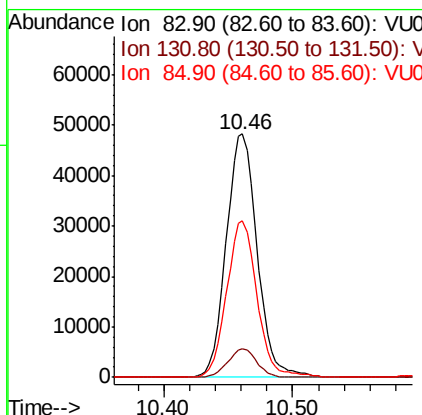
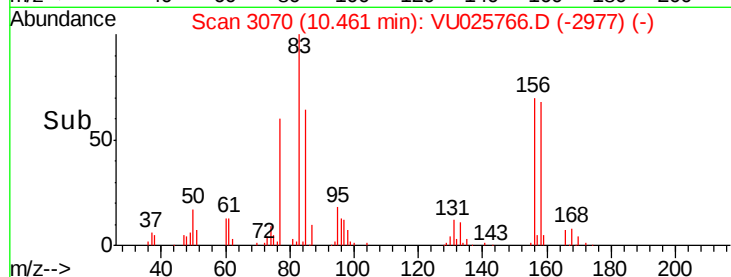
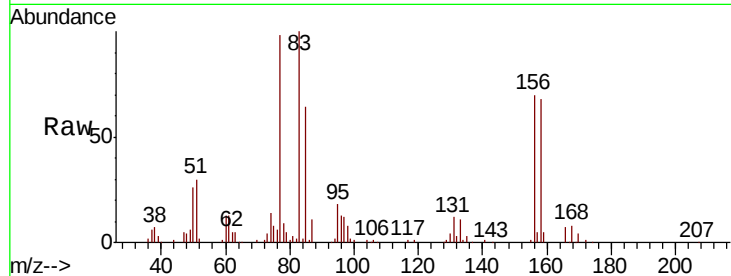
ClientSampleId :

VU0801WBS03

Tot Ion:	83	Resp:	80204
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.3	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.952 ug/l m

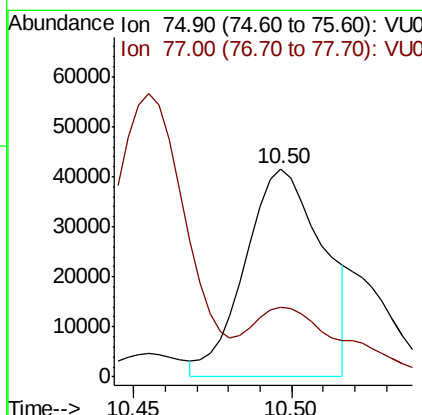
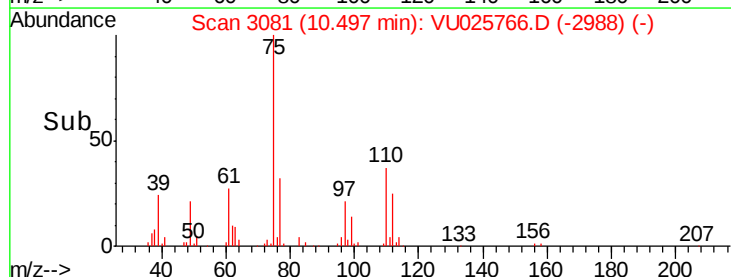
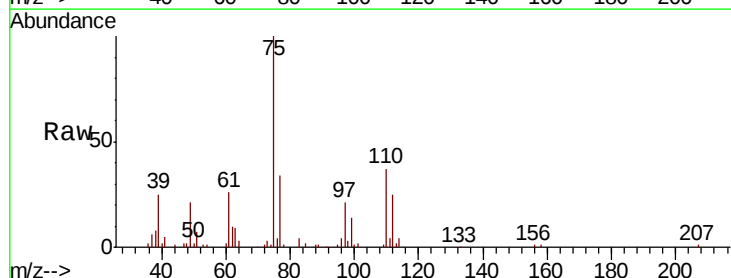
RT: 10.50 min Scan# 3081

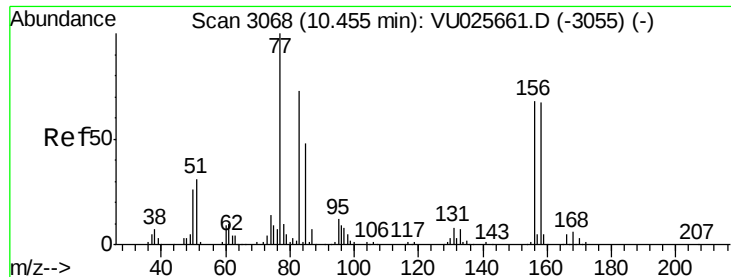
Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion:	75	Resp:	70574
Ion Ratio	Lower	Upper	
75	100		
77	40.2	20.4	61.3





#77

Bromobenzene

Concen: 19.750 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion:156 Resp: 62839

Ion Ratio Lower Upper

156 100

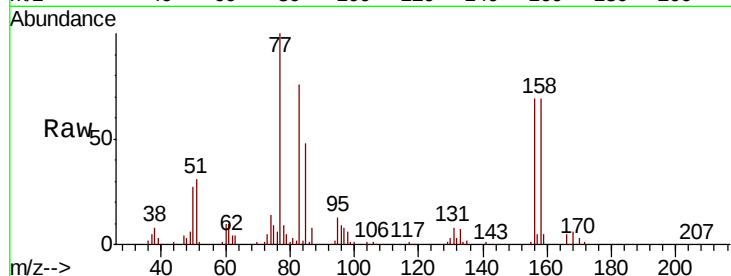
77 146.7 73.8 221.4

158 97.4 48.0 144.0

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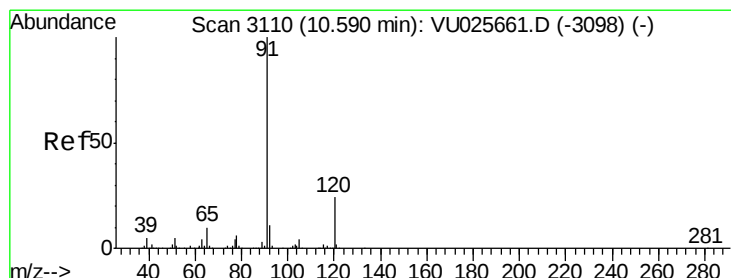
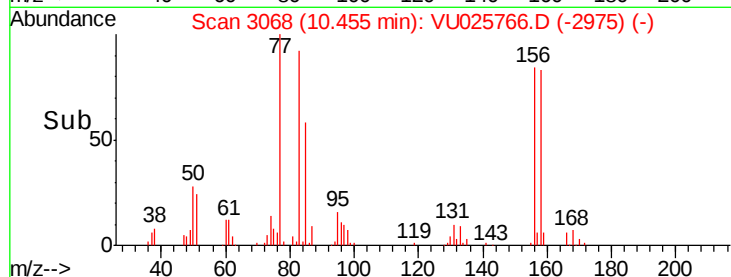
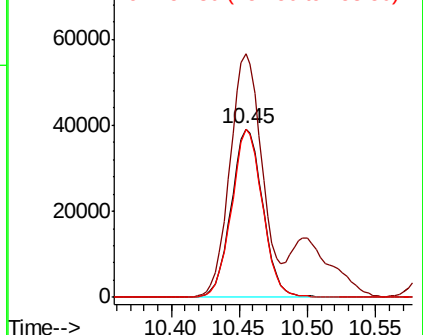
8/2/2018 9:41:32 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.424 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025766.D

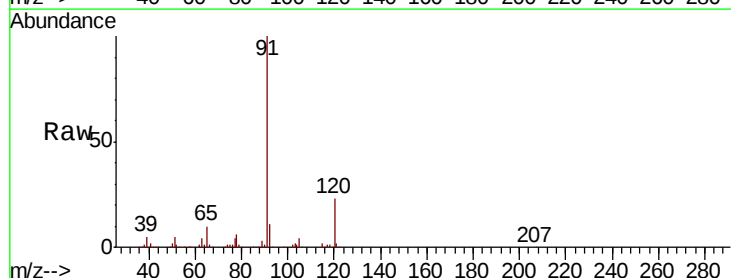
Acq: 01 Aug 2018 10:57

Tgt Ion: 91 Resp: 274988

Ion Ratio Lower Upper

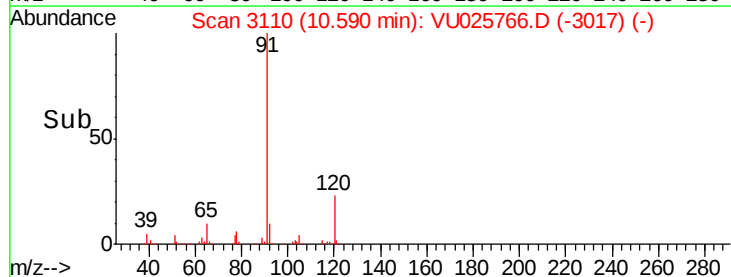
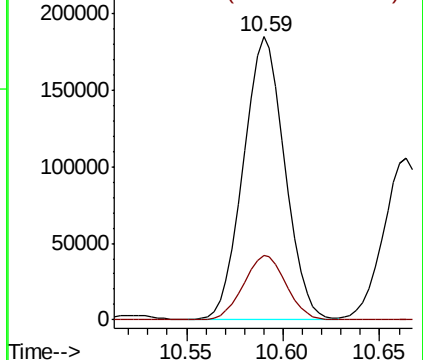
91 100

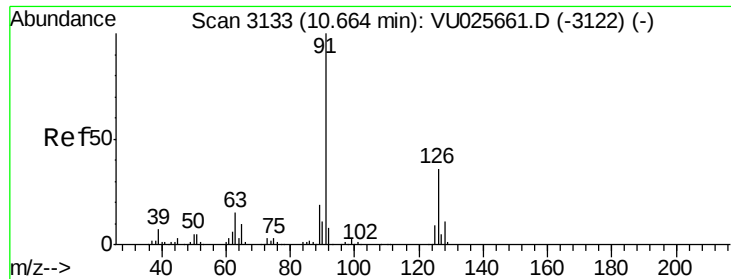
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS03

Tot Ion: 91 Resp: 163744

Ion Ratio Lower Upper

91 100

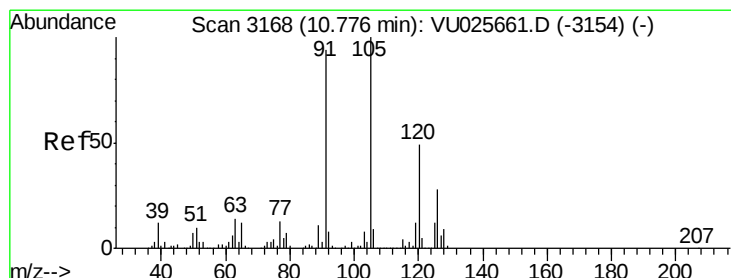
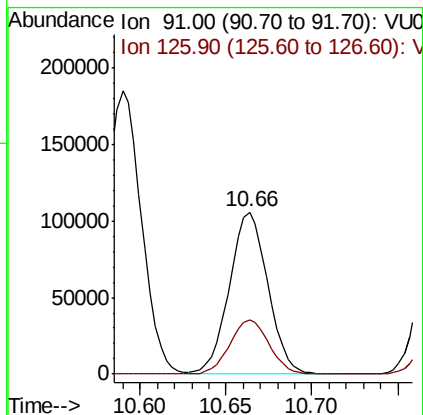
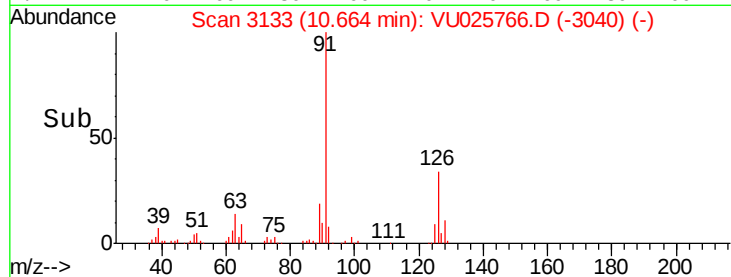
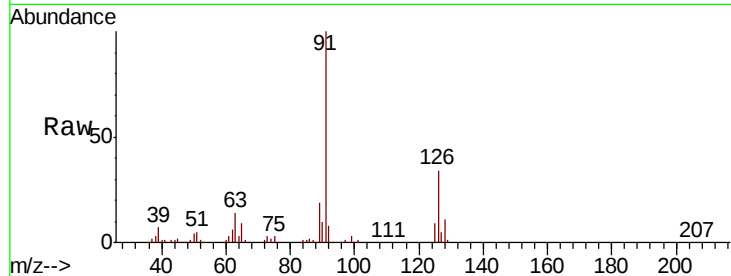
126 34.5 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.504 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025766.D

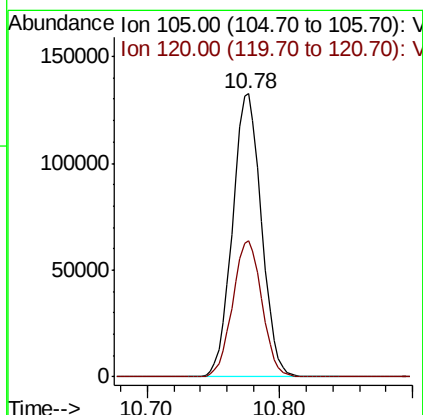
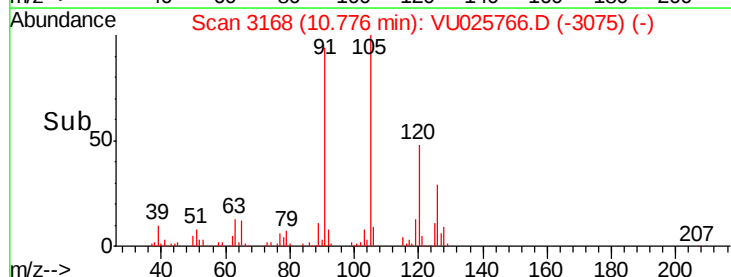
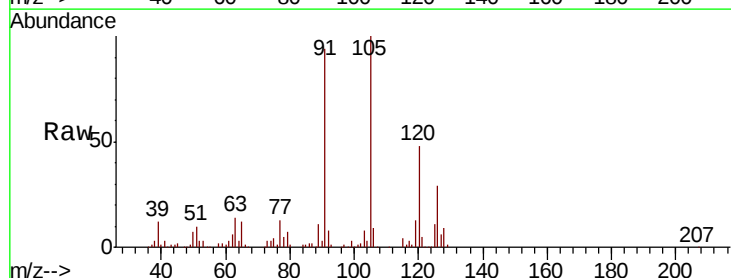
Acq: 01 Aug 2018 10:57

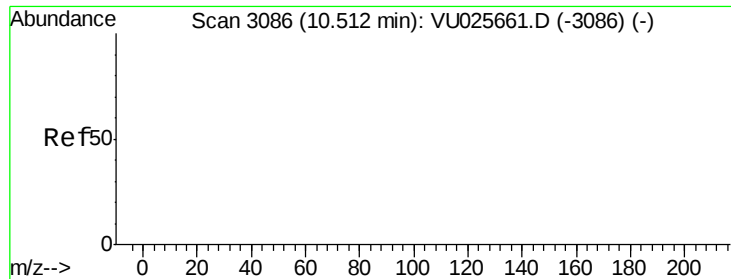
Tgt Ion: 105 Resp: 200870

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





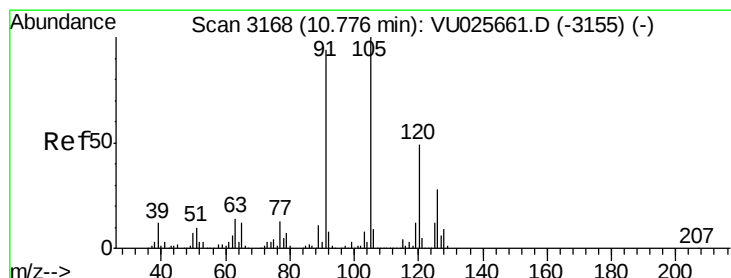
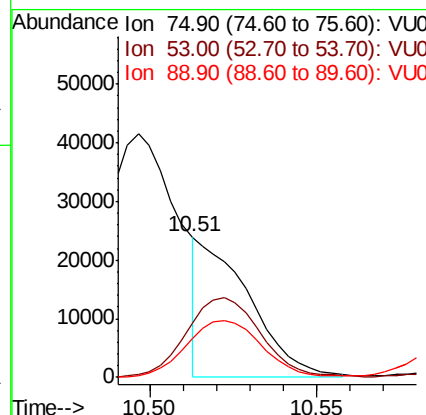
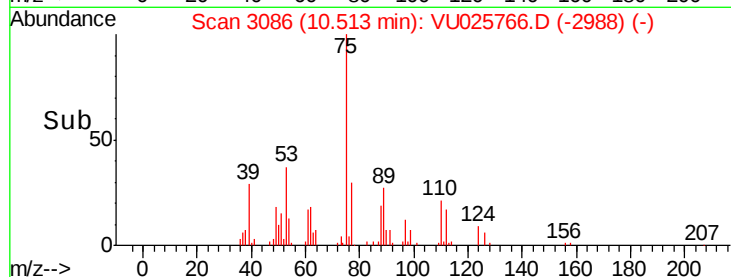
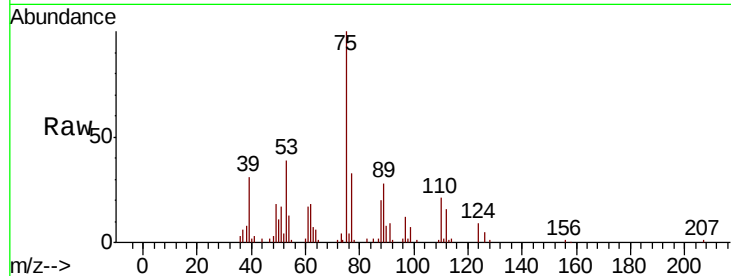
#81
trans-1,4-Dichloro-2-butene
Concen: 17.058 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

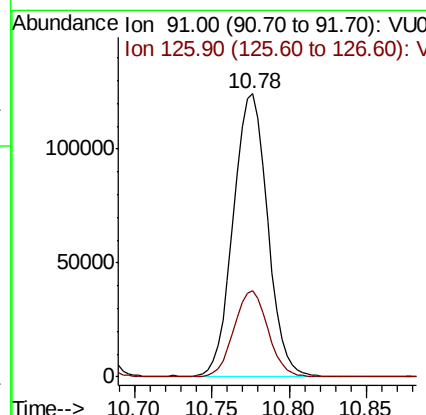
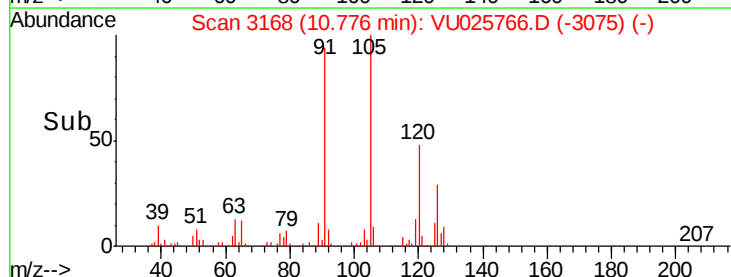
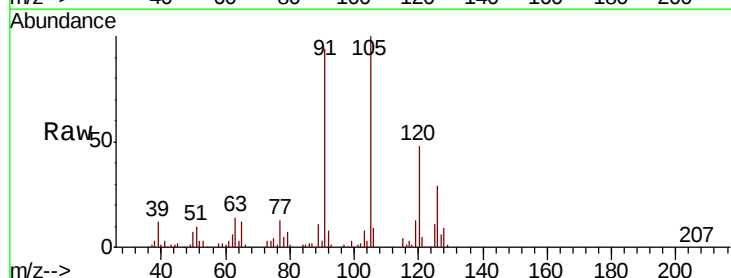
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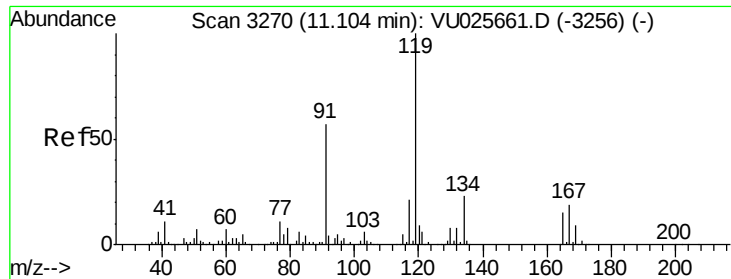
MMDadoda
8/2/2018 9:41:32 AM



#82
4-Chlorotoluene
Concen: 20.486 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





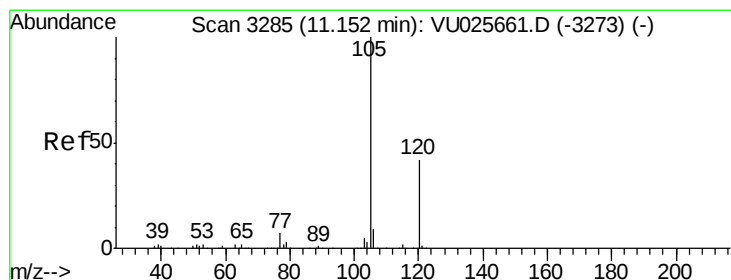
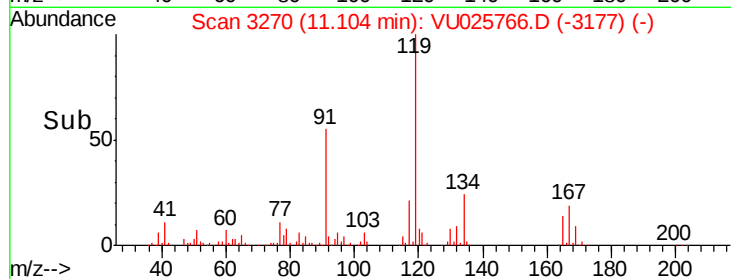
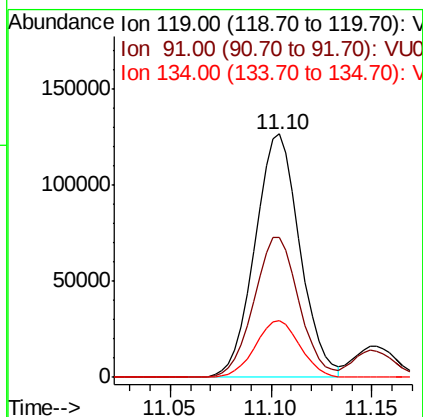
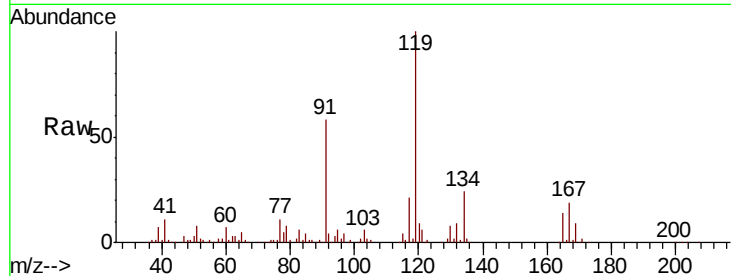
#83
tert-Butylbenzene
Concen: 20.217 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196787		
91	58.1	29.7	89.1	
134	23.4	11.5	34.5	

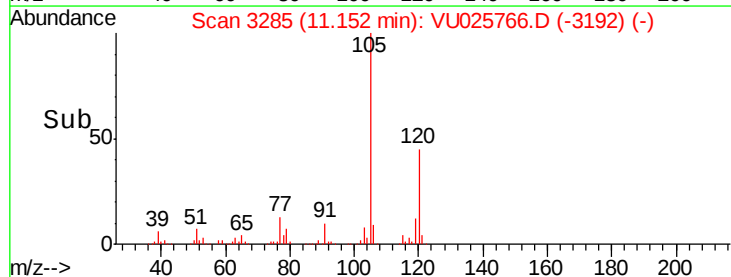
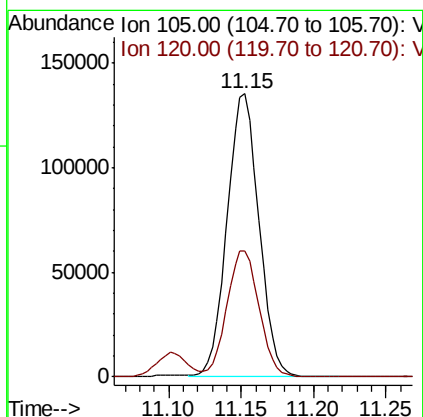
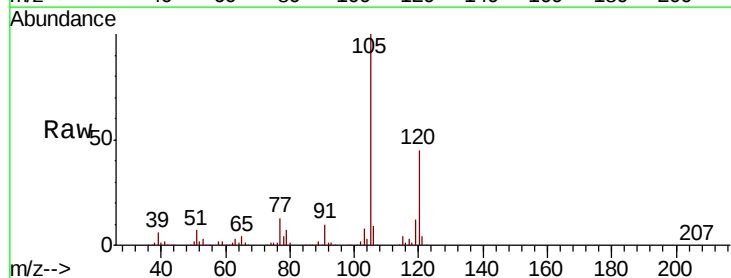
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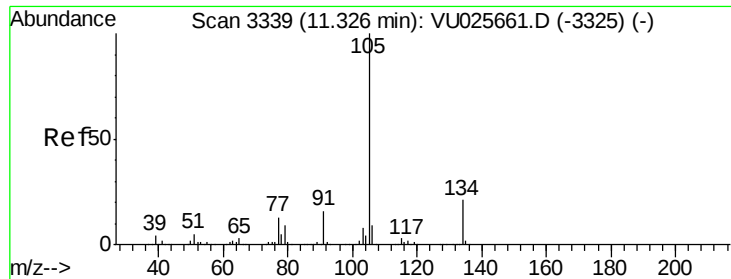
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.815 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	206644		
120	44.8	22.3	66.8	





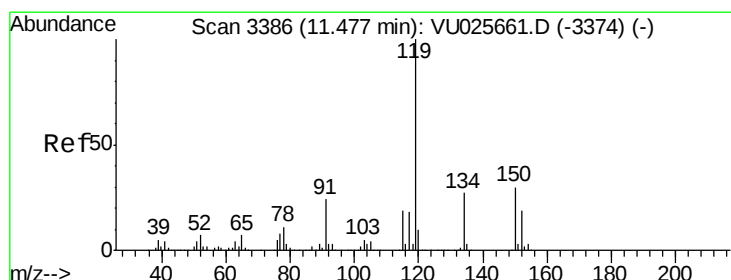
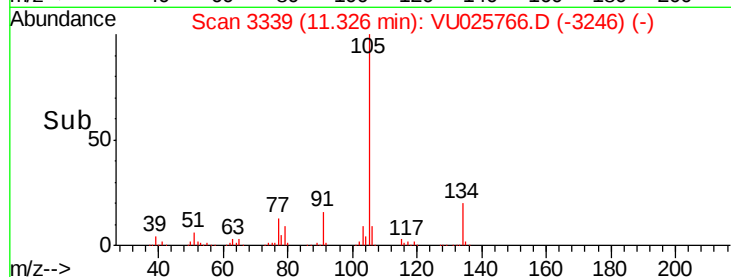
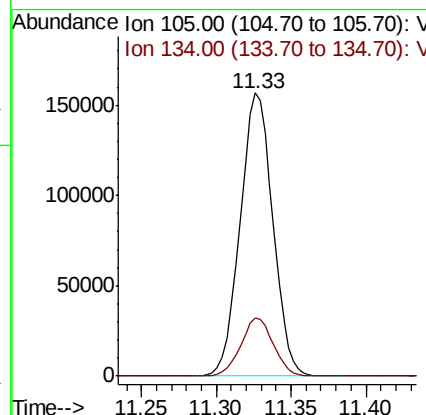
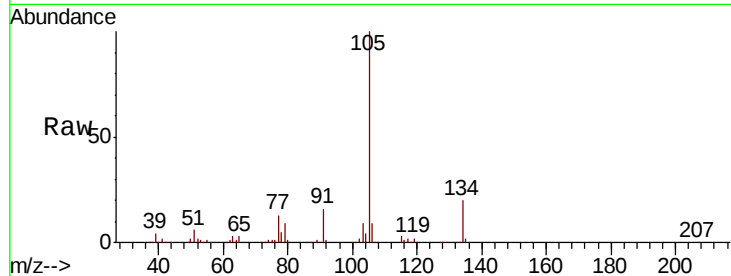
#85
 sec-Butylbenzene
 Concen: 20.049 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	238261		
134	20.4	10.3	30.8	

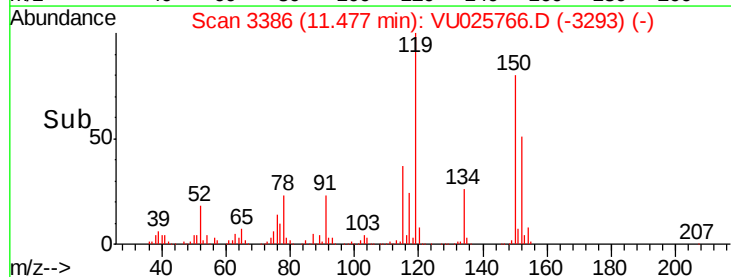
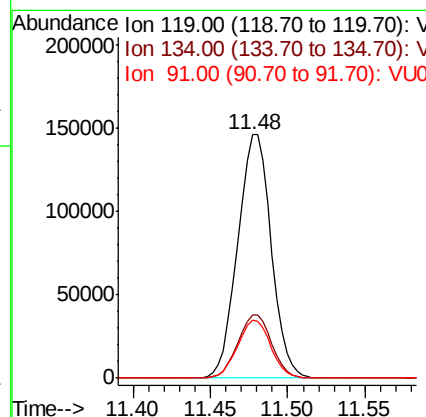
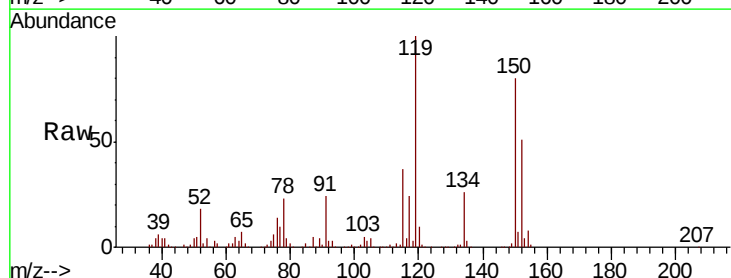
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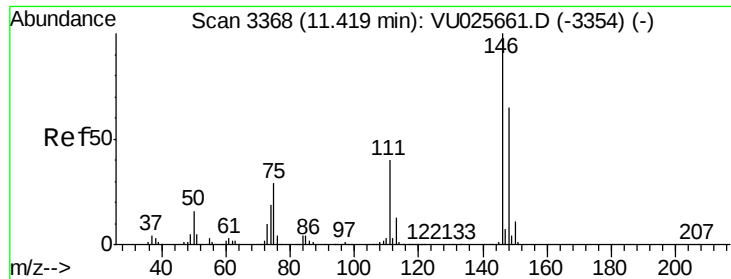
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 8/2/2018 9:41:32 AM



#86
 p-Isopropyltoluene
 Concen: 20.594 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	219147		
134	26.2	13.2	39.5	
91	23.5	12.0	36.1	





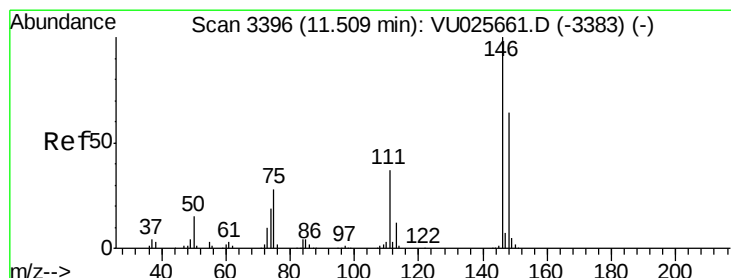
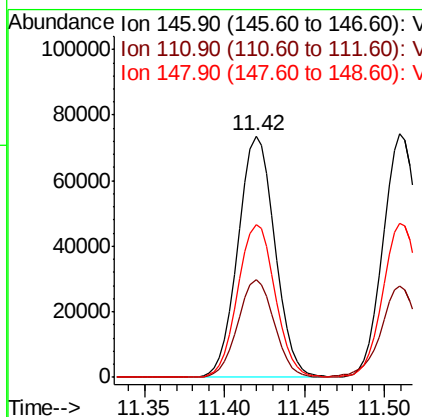
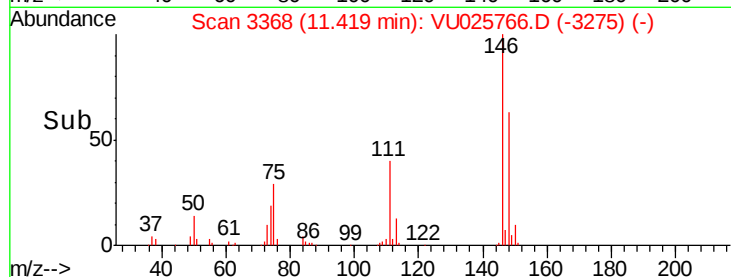
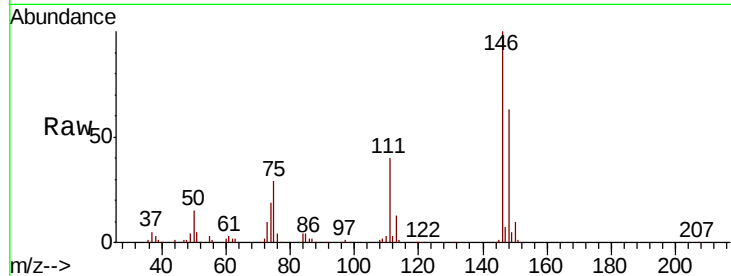
#87
 1,3-Dichlorobenzene
 Concen: 19.556 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampled :
 VU0801WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.1	32.1	96.3

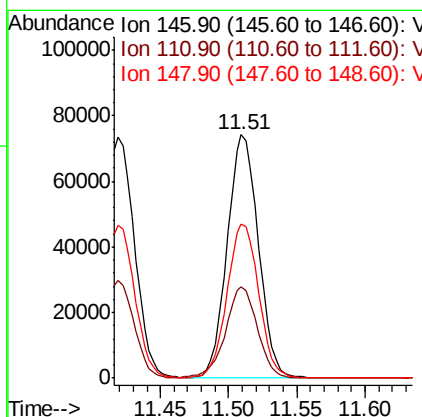
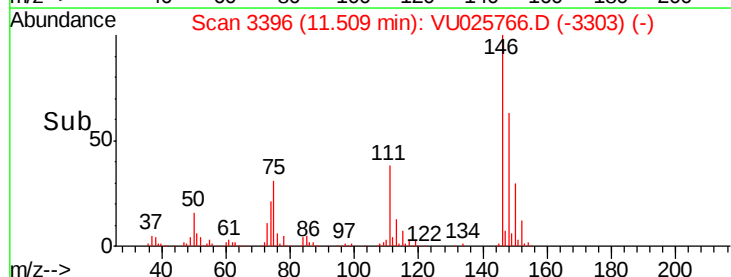
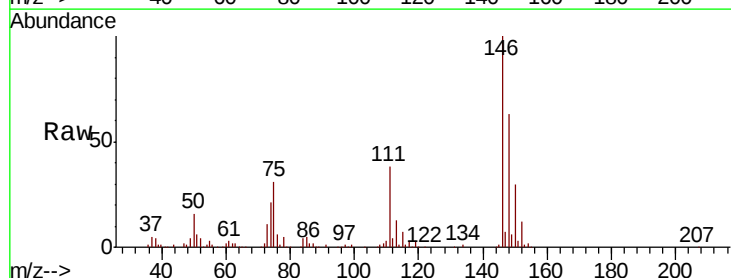
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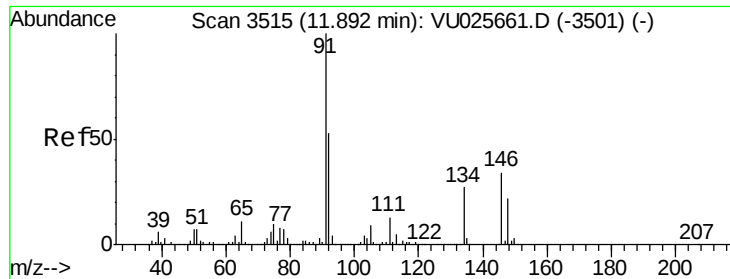
MMDadoda
 8/2/2018 9:41:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.125 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.3	31.7	95.1





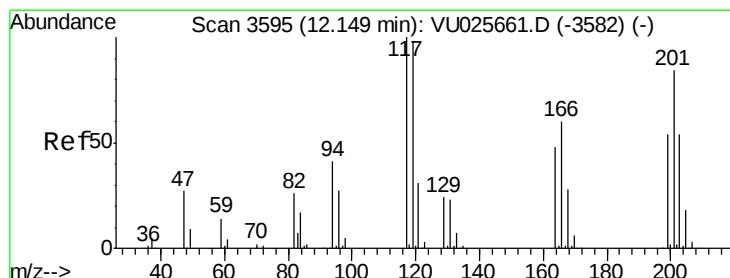
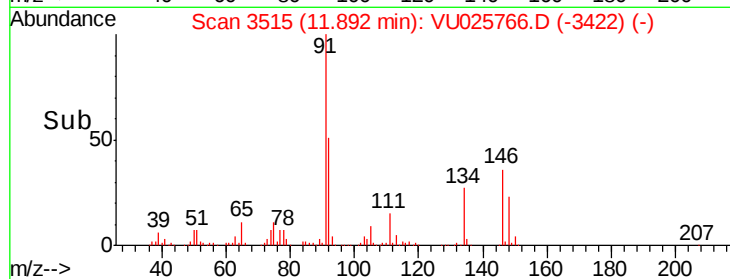
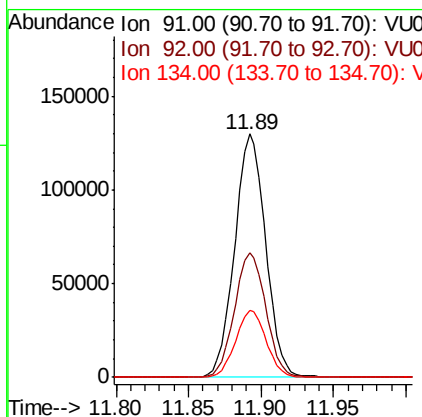
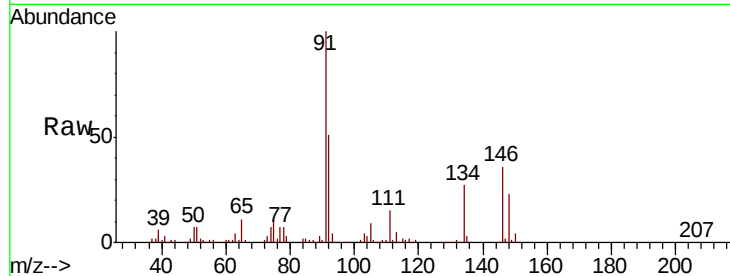
#89
n-Butylbenzene
Concen: 19.628 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	192744		
92	51.6	26.5	79.5	
134	26.9	13.6	40.7	

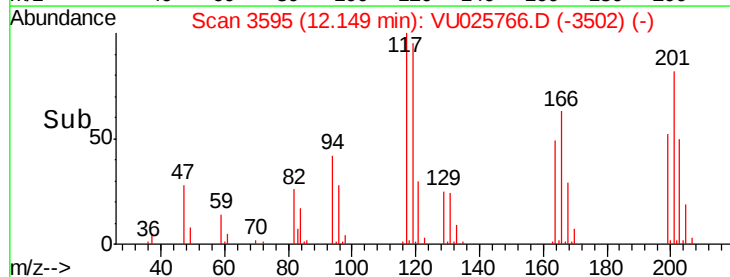
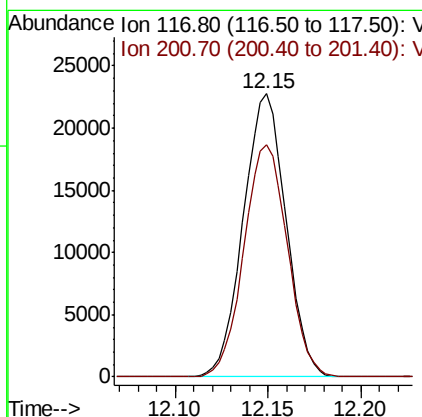
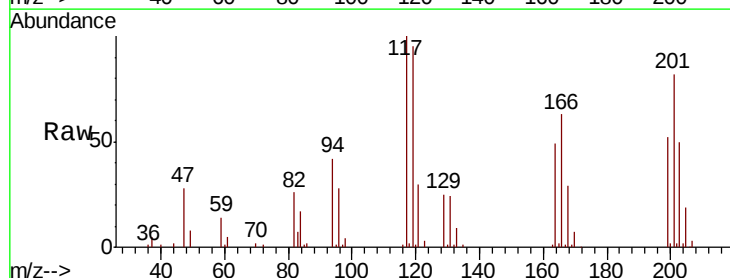
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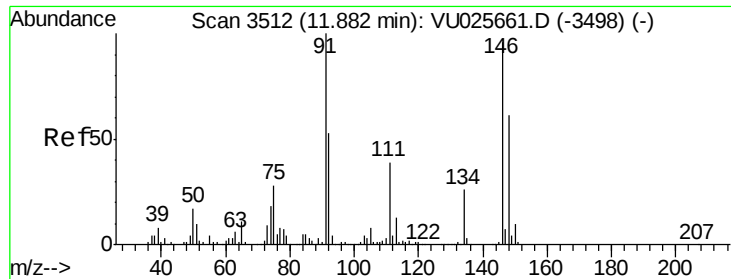
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8/2/2018 9:41:32 AM



#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36351		
201	83.6	42.5	127.6	





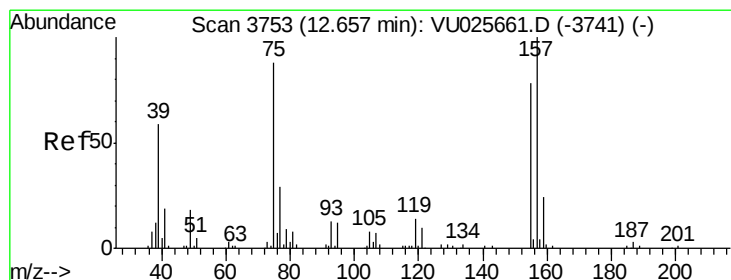
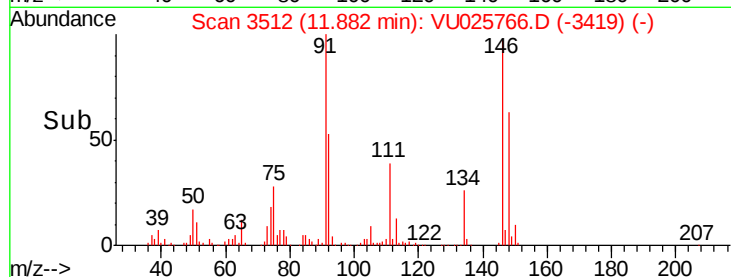
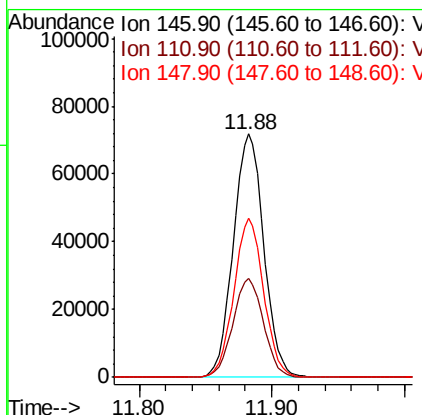
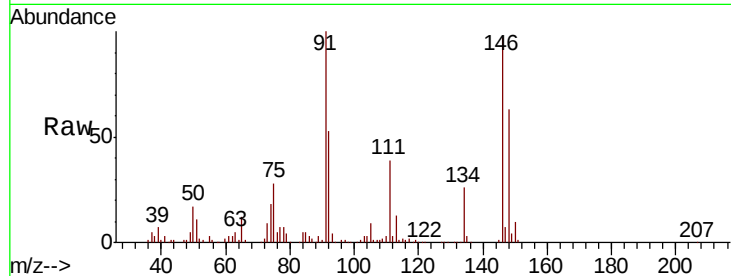
#91
 1,2-Dichlorobenzene
 Concen: 19.815 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	63.9	31.5	94.5

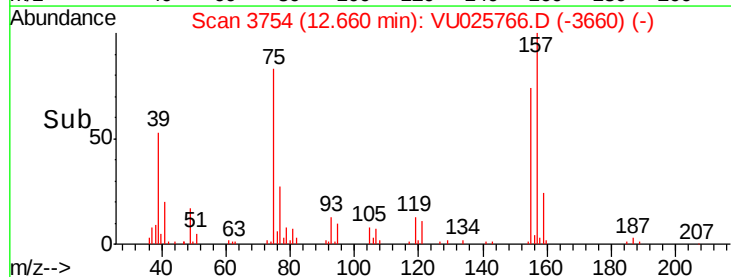
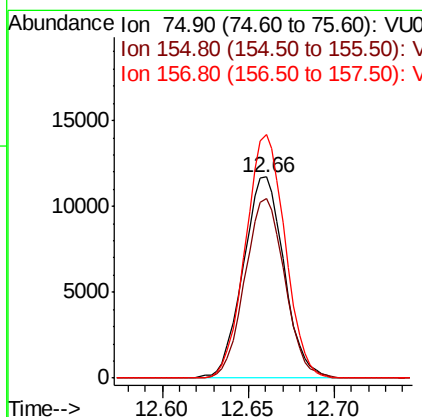
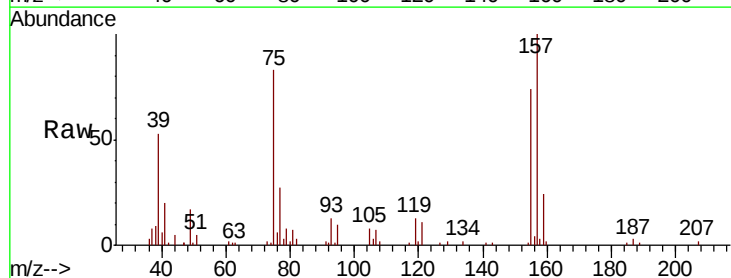
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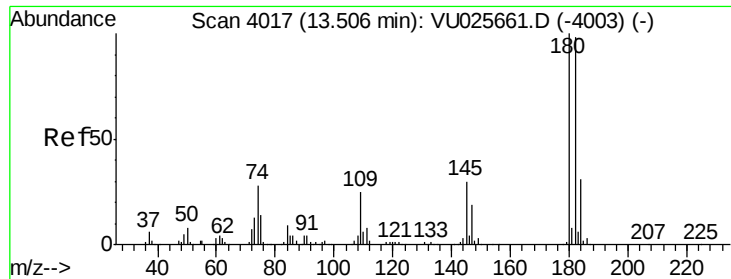
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.453 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025766.D
 Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	44.5	133.3
157	116.8	57.0	170.8





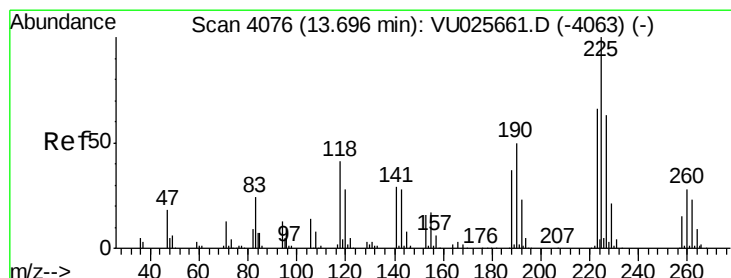
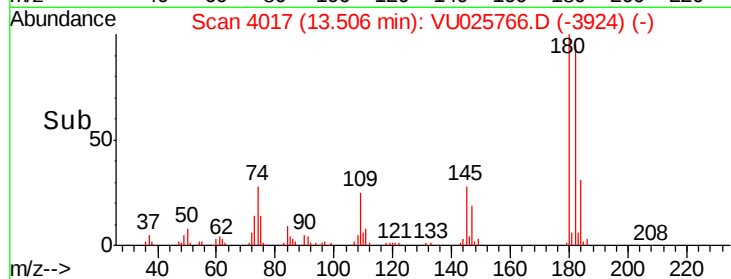
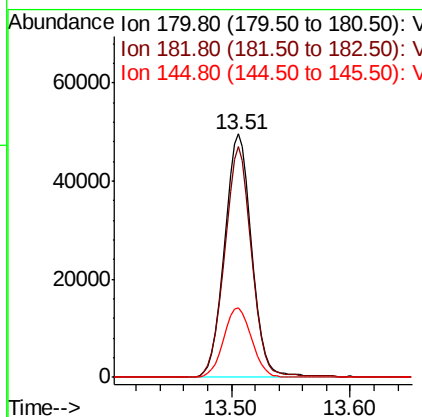
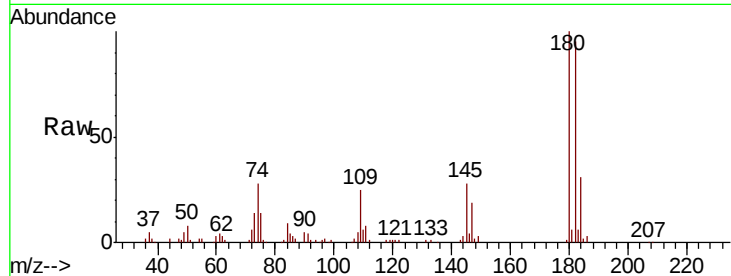
#93
1,2,4-Trichlorobenzene
Concen: 20.079 ug/l
RT: 13.51 min Scan# 4017
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	141.9
145	29.3	14.9	44.7

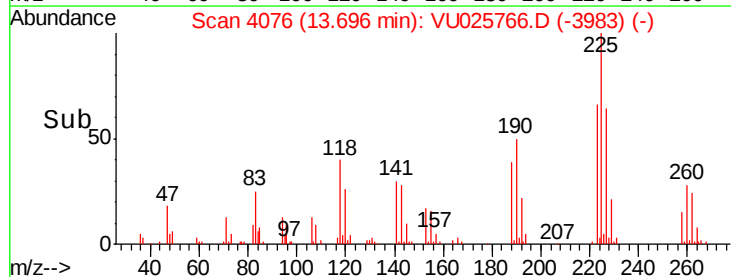
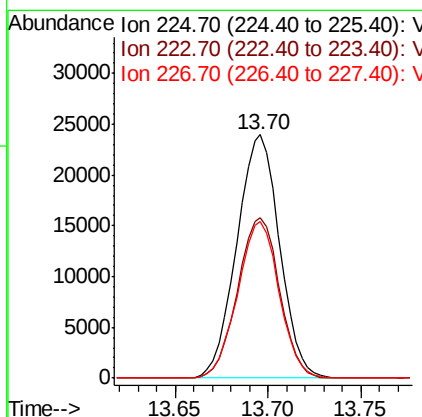
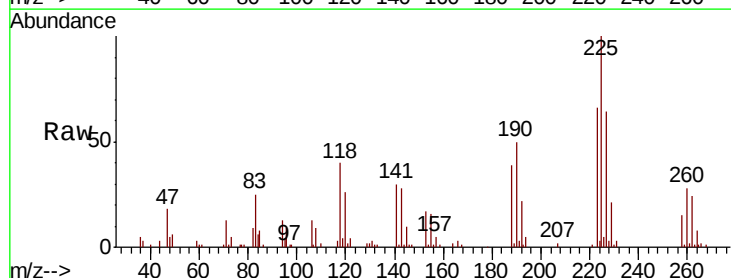
Manual Integrations
APPROVED

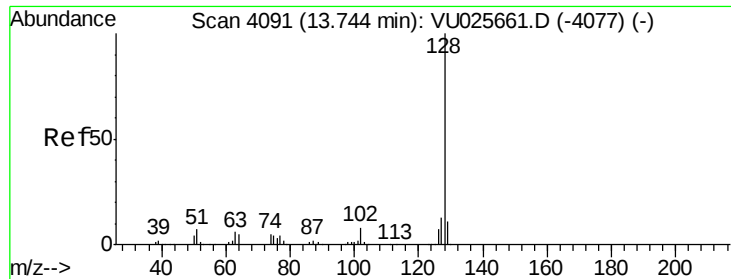
MMDadoda
8/2/2018 9:41:32 AM



#94
Hexachlorobutadiene
Concen: 18.623 ug/l
RT: 13.70 min Scan# 4076
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	62.5	32.3	96.9





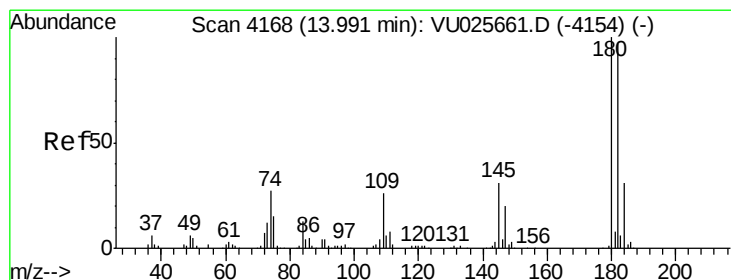
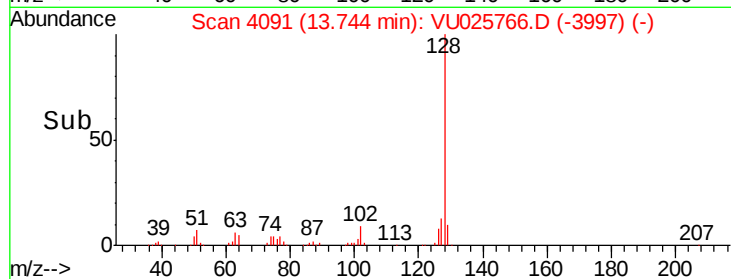
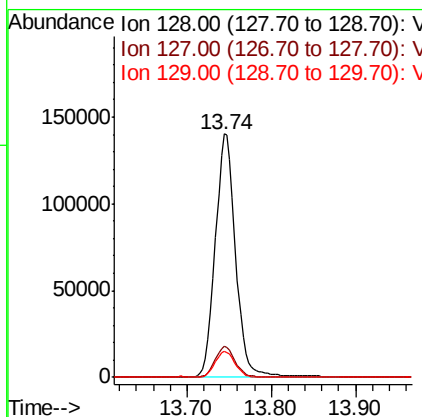
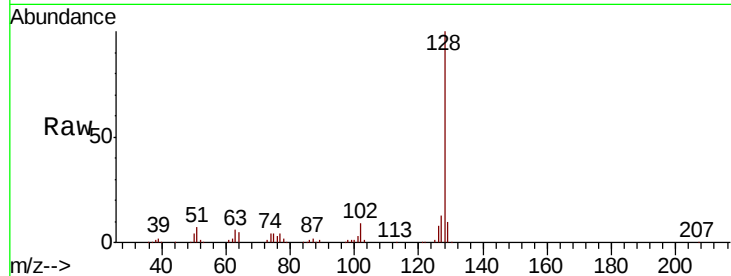
#95
Naphthalene
Concen: 19.592 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.304 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025766.D
Acq: 01 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.6	15.6	46.8

